



**BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

TECHNICAL MEMORANDUM

**ARSENIC SOIL SAMPLING RESULTS, WESTERN BOUNDARY OF
PARCEL A**

To: Mr. Brian Mossman
Boeing Realty Corporation
3855 Lakewood Blvd.
Building 1A MC D001-0097
Long Beach, CA 90846

From: Haley & Aldrich, Inc.

Date: April 22, 2002

Re: Arsenic Soil Sampling Results, Boeing Realty Corporation, Former C-6 Facility – Parcel A, Los Angeles, California

Haley & Aldrich, Inc. is providing this technical memorandum to summarize the limited field investigation and laboratory analyses for arsenic soil sampling results along the western boundary of Parcel A of the Boeing Realty Corporation's (BRC's) Former C-6 Facility (Facility). Parcel A is one of four parcels (Parcels A through D) of BRC former C-6 Facility, at 19503 South Normandie Avenue in Los Angeles, California, as shown on Figures 1 and 2.

BACKGROUND

Parcel A occupies approximately 50 acres in the northern portion of the Facility property and is bordered by West 190th Street to the north, railroad tracks and South Normandie Avenue to the east, Parcel C to the south, and Harbrogate Way, Parcel B and International Light Metals to the west (Figure 2). Prior to redevelopment, Parcel A contained Buildings 34, 36, 37, 61, 44, 45, 57, and 67; the northern portions of Buildings 29 and 58; and the chrome recovery system (CRS) located north of Building 40. The site also contained railroad tracks located on the eastern and western portions of the subject parcel and a parking lot located on the western portion of the subject parcel. Aerial photographs indicate the area was farmland before the 1940s. Industrial use of the subject parcel began in 1941 when it was developed as part of an aluminum reduction plant. Prior to 1952, the aluminum reduction plant was converted to a steel manufacturing facility. In 1952, the Douglas Aircraft Company (DACP) used the facility to manufacture aircraft and aircraft components until approximately 1992. From 1992 to 1997, DACP used the buildings primarily for office space and storage.

BRC acquired the Facility in 1997. Comprehensive site investigations were performed and identified areas containing shallow soil impacts were remediated by excavation in 1997 and 1998. Based on the remaining identified residual soil concentrations, the Los Angeles Regional Water Quality Control Board (LARWQCB) issued a closure and no further action letter on April 21, 1998, for shallow soils in Parcel A (LARWQCB, 1998). In 1999, a portion of Parcel A (approximately 40%) was sold and redeveloped into an AutoNation car dealership.

Currently, BRC is in the process of redeveloping Parcel C. During soil investigation activities on Parcel C, elevated arsenic concentrations were detected along the boundary of Parcels A and C. As a result, additional soil investigation activities were performed on Parcel A.

FIELD ACTIVITIES AND RESULTS

The limited investigation activities included performing a utility clearance, collecting soil grab samples, advancement of soil borings, and laboratory analysis of the soil grab and boring samples. These tasks are discussed below.

UTILITY CLEARANCE

Prior to drilling activities, Haley & Aldrich notified Underground Service Alert (USA) of Southern California for utility clearance of the borings. Also, a private utility locator, Geovision Spectrum (Geovision), marked the area for utilities.

SOIL GRAB SAMPLE COLLECTION AND RESULTS

In June and July 2001, fifteen soil grab samples were collected by Haley & Aldrich, Inc. along the boundary of Parcels A and C from depths ranging from approximately 1 to 7 feet below ground surface (bgs). Grab samples were collected in glass sampling jars or stainless steel tubes by collecting material from a backhoe bucket using a hand trowel or by pushing the tube directly into in-place soils. Sampling jars had threaded, Teflon-lined lids. Stainless steel tubes were assembled with Teflon liners and plastic end caps. Soils were described and logged by a Haley & Aldrich geologist at the site using the Unified Soil Classification System (USCS).

Samples were placed in a cooler with blue ice and transported under standard Chain-of-Custody (COC) procedures to Severn Trent Laboratories (STL) in Santa Ana, California for laboratory analyses. The soil samples were analyzed for arsenic by EPA Method 6010B.

The fifteen soil samples were reported to have arsenic concentrations ranging from 2.9 to 85 milligrams per kilogram (mg/kg) as shown on Table 1 and Figure 3. Based on these results, additional soil borings were drilled and soil samples were collected in Parcel A to delineate the extent of the arsenic impacts.

SOIL BORING ADVANCEMENT AND RESULTS

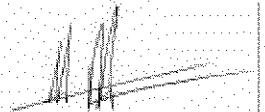
In August and September 2001, a total of 58 soil samples were collected from 29 soil borings on Parcel A. The 29 soil borings were advanced to approximately 3 feet bgs using a hand auger and soil samples were collected at 1 foot and 3 feet bgs. Soil sampling was constrained to the west side of the underground sewer main along the Parcel A/C boundary since this is reportedly the only area not excavated during the installation of the sewer main in 1998 (Figure 3).

Samples were collected in 1-inch diameter by 6-inch long brass sleeves. Soils were described and logged by a Haley & Aldrich geologist at the site using the USCS. Sample sleeves were sealed with Teflon sheets and plastic caps. Soil samples were collected under COC procedures as described above and submitted to STL for analysis. The samples were analyzed for arsenic by EPA Method 6010B.

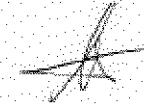
Based on the results of the laboratory analysis of the 58 soil samples, arsenic was detected at concentrations ranging from 2.4 to 816 mg/kg. Table 1 and Figure 3 summarize the soil sample analytical results for this investigation. The laboratory reports are included in Appendix A.

If you have any questions regarding the content of this letter, please contact any of the undersigned at (619) 280-9210.

Sincerely yours,
HALEY & ALDRICH, INC.



Richard M. Farson, PE
Project Engineer



Scott Zachary
Project Manager

Attachments:

Table 1 – Parcel A – Arsenic Analytical Results in Parcel A

Figure 1 - Site Location Map

Figure 2 – Former C-6 Facility Plan

Figure 3 – Parcel A Arsenic Soil Sampling Results

Appendix A - Laboratory Report & Chain of Custody

Appendix B - References

Appendix C - Limitations

TABLES

Table 1
Arsenic Analytical Results, Western Boundary of Parcel A
Boeing Realty Corporation, Former C-6 Facility, Los Angeles, California

Object Name	Sample Name	Sample Depth (feet)	Analyte	Result (mg/kg)
<i>Grab Samples</i>				
BUILD-1-1-22-11	Build_1_1_22_11	1	Arsenic	19.8
BUILD-1-1-22-12	Build_1_1_22_12	5	Arsenic	18.6
BUILD-1-1-22-18	Bldg_1_1_22_18	1	Arsenic	34
BUILD-1-1-22-5	BUILD_1_1_22_5	1	Arsenic	85
BUILD-1-1-22-6	BUILD_1_1_22_6	7	Arsenic	3
BUILD-1-22-5	BUILD_1_22_071101_5	1	Arsenic	9.3
BUILD-1-E-8-15	BUILD_1_E_8_062601_15	1	Arsenic	3.8
BUILD-1-E-8-16	BUILD_1_E_8_062601_16	6	Arsenic	5
BUILD-1-E-8-23	BUILD_1_E_8_071201_23	1	Arsenic	34.1
BUILD-1-E-8-24	BUILD_1_E_8_071201_24	5	Arsenic	3.3
BUILD-1-E-8-25	BUILD_1_E_8_071201_25	1	Arsenic	24.9
BUILD-1-E-8-26	BUILD_1_E_8_071201_26	5	Arsenic	3.4
BUILD-1-E-8-27	BUILD_1_E_8_071201_27	1	Arsenic	41.2
BUILD-1-E-8-28	BUILD_1_E_8_071201_28	5	Arsenic	2.9
<i>Soil Borings</i>				
PD-96	PD_96_3	3	Arsenic	14.7
PD-96	PD_96_1	1	Arsenic	17.9
PD-97	PD_97_1	1	Arsenic	11.7
PD-97	PD_97_3	3	Arsenic	14.3
PD-98	PD_98_1	1	Arsenic	25.2
PD-98	PD_98_3	3	Arsenic	53.3
PD-99	PD_99_1	1	Arsenic	17.2
PD-99	PD_99_3	3	Arsenic	27.4
PD-100	PD_100_1	1	Arsenic	14.5
PD-100	PD_100_3	3	Arsenic	23.5
PD-101	PD_101_3	3	Arsenic	2.7
PD-101	PD_101_1	1	Arsenic	816
PD-102	PD_102_3	3	Arsenic	3.1
PD-102	PD_102_1	1	Arsenic	6.3
PD-103	PD_103_1	1	Arsenic	12.1
PD-103	PD_103_3	3	Arsenic	4
PD-104	PD_104_3	3	Arsenic	2.9
PD-104	PD_104_1	1	Arsenic	78.7
PD-105	PD_105_3	3	Arsenic	2.8
PD-105	PD_105_1	1	Arsenic	4.1
PD-106	PD_106_3	3	Arsenic	2.9
PD-106	PD_106_1	1	Arsenic	81.3
PD-135	PD_135_3	3	Arsenic	3.5
PD-135	PD_135_1	1	Arsenic	38.3

Table 1
Arsenic Analytical Results, Western Boundary of Parcel A
Boeing Realty Corporation, Former C-6 Facility, Los Angeles, California

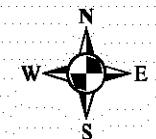
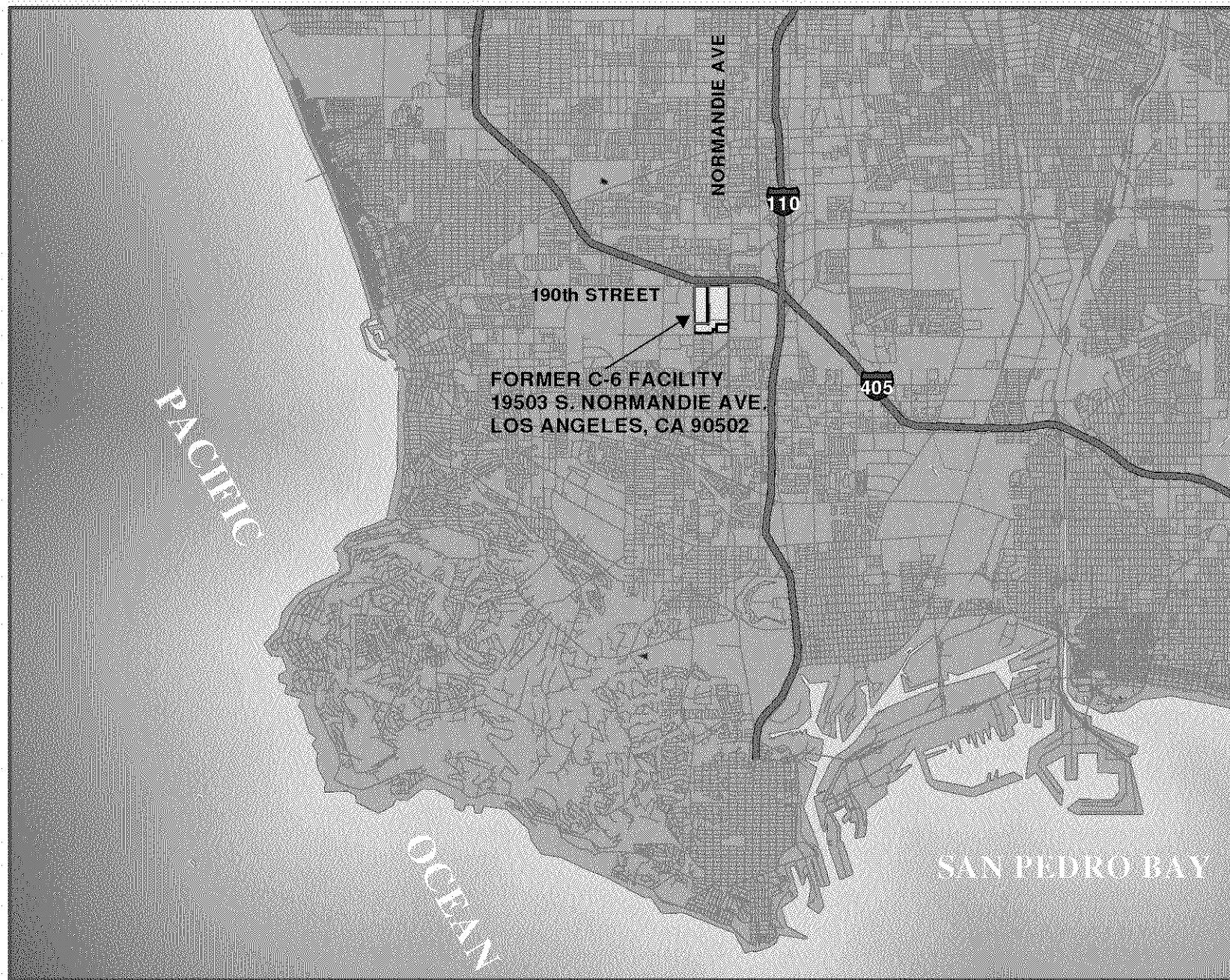
Object Name	Sample Name	Sample		Result (mg/kg)
		Depth (feet)	Analyte	
PD-136	PD_136_1	1	Arsenic	22.1
PD-136	PD_136_3	3	Arsenic	25.4
PD-137	PD_137_1	1	Arsenic	23.6
PD-137	PD_137_3	3	Arsenic	5
PD-138	PD_138_1	1	Arsenic	12
PD-138	PD_138_3	3	Arsenic	3.7
PD-139	PD_139_1	1	Arsenic	2.5
PD-139	PD_139_3	3	Arsenic	3.6
PD-140	PD_140_3	3	Arsenic	2.4
PD-140	PD_140_1	1	Arsenic	3.2
PD-141	PD_141_1	1	Arsenic	5.8
PD-141	PD_141_3	3	Arsenic	7.3
PD-142A	PD_142A_3	3	Arsenic	4.2
PD-142A	PD_142A_1	1	Arsenic	4.2
PD-164	PD_164_3	3	Arsenic	2.7
PD-164	PD_164_1'	1	Arsenic	21.5
PD-165	PD_165_3	3	Arsenic	2.7
PD-165	PD_165_1	1	Arsenic	38
PD-166	PD_166_1	1	Arsenic	21.7
PD-166	PD_166_3	3	Arsenic	4.5
PD-167	PD_167_1	1	Arsenic	11.1
PD-167	PD_167_3	3	Arsenic	31.7
PD-168	PD_168_3	3	Arsenic	6.8
PD-168	PD_168_1	1	Arsenic	9.2
PD-211	PD_211_1	1	Arsenic	12.8
PD-211	PD_211_3	3	Arsenic	26.4
PD-212	PD_212_3	3	Arsenic	2.5
PD-212	PD_212_1	1	Arsenic	3.3
PD-215	PD_215_1	1	Arsenic	10.9
PD-215	PD_215_3	3	Arsenic	139
PD-216	PD_216_3	3	Arsenic	3.3
PD-216	PD_216_1	1	Arsenic	8.3
PD-217	PD_217_1	1	Arsenic	10.9
PD-217	PD_217_3	3	Arsenic	3.6

Notes

mg/kg = milligrams per kilogram

Soil samples analyzed for arsenic by EPA Method 6010B by Severn Trent Laboratories.

FIGURES



0 0.5 1 2 3
Miles

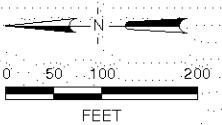
Figure 1
Site Location Map

Boeing Realty Corporation
Former C-6 Facility
Los Angeles, California

HALEY & ALDRICH UNDERGROUND ENGINEERING &
ENVIRONMENTAL SOLUTIONS

Scale : As Shown QA/QC : Project : 27285

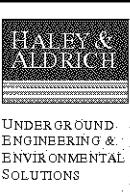
Drawn : DFM Reviewed : SPZ Date : 1 March 2002



SOURCE OF BASE MAP: KENNEDY JENKS CONSULTANTS, 2000. SAMPLING AND ANALYSIS PLAN, BOEING REALTY CORPORATION'S C-6 FACILITY - PARCEL C, LOS ANGELES, CALIFORNIA, AUGUST 16, 2000
G:\PROJECTS\ENVIRONMENTAL\27285-013\272850-.DWG

LEGEND

- PARCEL BOUNDARY
- PARCEL C BUILDING OUTLINE



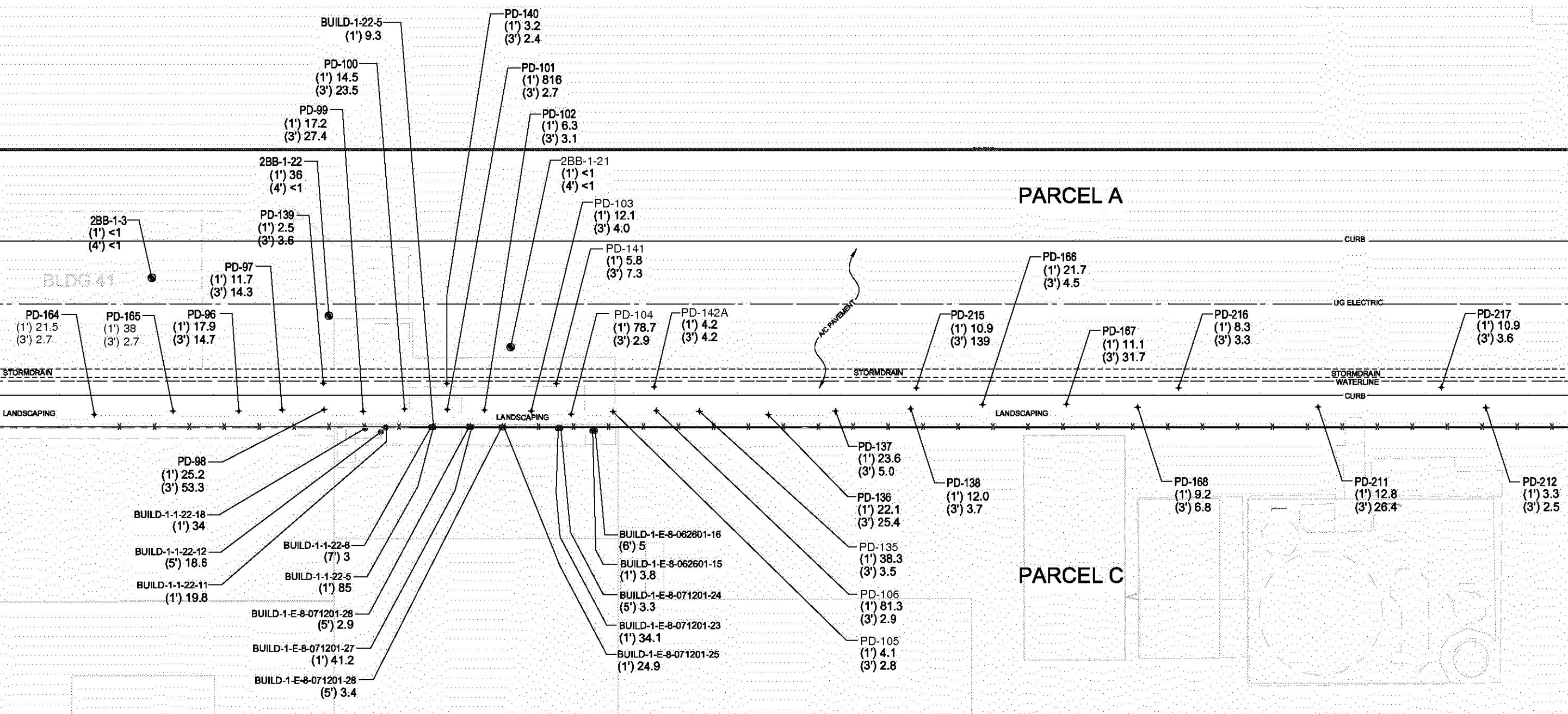
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FORMER C-6 FACILITY PLAN

SCALE: AS SHOWN QA/QC: BB PROJECT: 27285-01
DRAWN: SAL REVIEWED: BAB DATE: 22 APRIL 2002

FIGURE: 2

BOE-C6-0002357



	SOIL BORING LOCATION
	GRAB SAMPLE LOCATION
	PREVIOUS SOIL BORING (1997)
(1')	SAMPLE DEPTH FROM SURFACE (FEET)
24.9	ARSENIC RESULTS IN mg/kg

	BOEING REALTY CORPORATION FORMER C-6 FACILITY LOS ANGELES, CALIFORNIA	FIGURE: 3
PARCEL A ARSENIC SOIL SAMPLING RESULTS		
SCALE: AS SHOWN	QA/QC:	PROJECT: 27285-011
DRAWN: SAL	REVIEWED: RMF	DATE: 22 APRIL 2002

APPENDIX A
LABORATORY REPORT

**SEVERN
TRENT
SERVICES**

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

September 24, 2001

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

STL LOT NUMBER: E1I210360
NELAP Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

Scott Zachary
Haley & Aldrich Inc
9040 Friars Road
Suite 220
San Diego, CA 92108

Dear Mr. Zachary,

This report contains the analytical results for the 26 samples received under chain of custody by STL Los Angeles on September 21, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,



Diane Suzuki
Project Manager
CC: Project File

Page 1 of **000047** total pages in this report.

000001

STL Los Angeles is a part of Severn Trent Laboratories, Inc.



LOT NUMBER E1I210360

Nonconformance 05-02206 - CLOSED

Affected Samples:

E1I210360 (25): PD_220_1

E1I210360 (26): PD_220_3

Affected Methods:

6010B

Case Narrative:

The client ID for sample #25 and #26 on the COC is PD-120-1 and PD-120-3. The container labels indicate the sample ids as PD-220-1 and PD-220-3. The client verified that the sample ids should be as written on the labels. The report reflect the corrected ids.

The temperature recorded upon arrival was 24.4 deg C. The samples came directly from the field and no cooler was provided.

000002



Chain of Custody Record

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Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Haley & Aldrich	Project Manager	Scott Zachary	Date	9/21/01	Chain of Custody Number	049858
Address	9040 Fair Oaks Rd, Suite 220	Telephone Number (Area Code)/Fax Number	619 280-9210	Lab Number	E/I 210360	Page	1 of 3
City	San Diego	State	CA	Zip Code	92108	Site Contact	Lab Contact
Project Name and Location (State)	Boeing C6 - Tolerance	Carrier/Waybill Number	27285 - 001	Matrix		Containers & Preservatives	
Contract/Purchase Order/Quote No.	27285 - 001					Cupres.	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time			NaOH	
PD-208-1'		9/21/01	12:00	X		ZnAc	
PD-208-3'				X		NaOH	
PD-209-1'				X		NaOH	
PD-209-3'				X		NaOH	
PD-210-1'						H2SO4	
PD-210-3'						HNO3	
PD-211-1'						HC1	
PD-211-3'						NaCl	
PD-212-1'						AgNO3	
PD-212-3'						As2O3	
PD-213-1'						AgCl	
PD-213-3'						AgBr	
						AgI	
						Ag2S	
						Ag2CO3	
						Ag2CrO4	
						Ag2SO4	
						Ag2O	
						Ag3Sn	
						Ag3P	
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Chain of Custody Record

**SEVERN
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Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Huey & Aldrich	Project Manager	SCOTT ZACHARY	Date	9/21/01	Chain of Custody Number	049859
Address	9040 Fairview Rd, Suite 220	Telephone Number (Area Code)/Fax Number	619-280-9210	Lab Number	E122/0360	Page	2 of 3
City	SAN DIEGO	State	CA	Zip Code	92108	Site Contact	
Project Name and Location (State)	BOEING C6 - TOLAREE			Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No.	27285-001			Matrix	Containers & Preservatives	Special Instructions/Conditions of Receipt	
(Containers for each sample may be combined on one line)				Date	Time		
				Air			
				Soil			
				Upwars			
				Aquacous			
				Air			
				Soil			
				Upwars			
				Aquacous			
				Air			
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Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Haley & Aldrich			Project Manager	Scott Zactary		Date	9/21/01	Chain of Custody Number	049860			
Address	9040 Flax Rd, Suite 200			Telephone Number (Area Code)/Fax Number	619-280-9210		Lab Number	E/I 210 360	Page	3 of 3			
City	San Diego	State	CA	Zip Code	92103	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)					
Project Name and Location (State)			Carrier/Waybill Number			Special Instructions/ Conditions of Receipt							
BOE INC C6 - TOLANCE.			27285-001			AC56-NIC							
Contract/Purchase Order/Quote No.			Matrix			Containers & Preservatives							
			Date	Time	Site	All	Agar	SOil	Agarous	Soil	Aqueous		
Sample I.D. No. and Description (Containers for each sample may be combined on one line)			9/21/01	12:00	X	X	X	X	X	X	X		
P1 - P20 - 1'			9/21/01	12:00	X	X	X	X	X	X	X		
P1 - P20 - 3'			9/21/01	12:00	X	X	X	X	X	X	X		
220/6.													
Possible Hazard Identification			Non-Hazard			<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison A	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	
Turn Around Time Required			<input checked="" type="checkbox"/> 24 Hours			<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____	(A fee may be assessed if samples are retained longer than 3 months)		
1. Relinquished By			Date	9/21/01	Time	16:00	1. Received By		Signature		Date	9/21/01	Time
2. Relinquished By			Date	9/21/01	Time	17:30	2. Received By		Signature		Date	9/21/01	Time
3. Relinquished By			Date	Time			3. Received By		Signature		Date	Time	
Comments													

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0002364

**STL LOS ANGELES
PROJECT RECEIPT CHECKLIST**

Date: 9/21/01

Quantms Lot #: E11210360
Client Name: Haley & Aldrich
Received by: Percolta
Delivered by : Client Airborne Fed E
 UPS DES Other

Quote #: 42295
Project: Boeing C-6 Torrazco
Date/Time Received: 9/21/01 17:30
 DHL In-House Courier Rev B.

Initial / Date

Custody Seal Status: Intact Broken None AR 9/21/01

Custody Seal #(s): No Seal #

Sample Container(s): STL-LA Client N/A

Temperature(s) (COOLER/BLANK) in °C: 24.2 °C (CORRECTED TEMP) 24.42

Thermometer Used : IR (Infra-red) Digital (Probe)

Samples: Intact Broken Other _____

Anomalies: No Yes (See Clouseau)

Labeled by AS

Labeling checked by
.....

Digitized by srujanika@gmail.com

Turn Around Time: RUSH-24HR RUSH-48HR RUSH-72HR NORMAL

Short-Hold Notification: Ph Wet Chem Metals (Filter/Pres) Encore N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) : - *None*

***** LEAVE NO BLANK SPACES : USE N/A *****

h:HCl na:Sodium Zn:Zinc Acetate/Sodium s: H₂SO₄ n:HNO₃ nf:HNO₃-Field
 Hydroxide Hydroxide filtered nl:HNO₃-Lab filtered
 CGJ:Clear Glass CGB:Clear Glass AGJ:Amber AGB:Amber Glass PB: Poly Bottle E:Encore
 Jar Bottle Glass Jar Bottle Sampler V:VOA SL:Sleeve

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: Pacoletx 9/21/01 REVIEWED BY/DATE: S. J. 9/24/01

-000006

STL Los Angeles

SEVERUS
TRENT
SHAW.

Client: Haley & Aldrich
Lot No: EI 210360

Date/Time

Initiated by:

9/21/01

18:00

Affected samples	Chain of Custody #	
Client ID	Lab ID	Analyses Requested
PD-120-1'	0025	Arsenic
PD-120-31	0026	" "

CONDITION/ANOMALY/VARIANCE (CHECK ALL THAT APPLY):

<ul style="list-style-type: none"> • COOLERS <p><input type="checkbox"/> Not Received, No (COC) <input type="checkbox"/> Not Received but COC(s) Available <input type="checkbox"/> Leaking <input type="checkbox"/> Other: _____</p>	<ul style="list-style-type: none"> • CUSTODY SEALS (COOLER(S)/CONTAINER(S)) <p><input type="checkbox"/> None <input type="checkbox"/> Not Intact <input type="checkbox"/> Other _____</p>
<p><input checked="" type="checkbox"/> TEMPERATURE (SPECS $4 \pm 2^{\circ}\text{C}$)</p> <p><input type="checkbox"/> Cooler Temp(s) <u>No cooler</u> <input type="checkbox"/> Temperature Blank(s) <u>24.4^{\circ}\text{C}</u></p>	<ul style="list-style-type: none"> • CHAIN OF CUSTODY (COC) <p><input type="checkbox"/> Not relinquished by Client; No date/time relinquished <input type="checkbox"/> Incomplete information provided <input type="checkbox"/> Other _____</p>
<ul style="list-style-type: none"> • CONTAINERS <p><input type="checkbox"/> Leaking <input type="checkbox"/> Broken <input type="checkbox"/> Extra <input type="checkbox"/> Without Labels <input type="checkbox"/> VOA Vials with Headspace _____ mm <input type="checkbox"/> Other: _____</p>	<ul style="list-style-type: none"> • CONTAINERS LABELS <p><input checked="" type="checkbox"/> Not the same ID/info as in COC <input type="checkbox"/> Incomplete Information <input type="checkbox"/> Preservative <input type="checkbox"/> Collection _____ Time _____ Date <input type="checkbox"/> Markings/Info illegible <input type="checkbox"/> Torn <input type="checkbox"/> Other _____</p> <p style="margin-left: 100px;">> SAMPLE = PO = <u>220</u></p>
<ul style="list-style-type: none"> • SAMPLES <p><input type="checkbox"/> Samples NOT RECEIVED but listed on COC <input type="checkbox"/> Samples received but NOT LISTED on COC <input type="checkbox"/> Logged based on Label Information <input type="checkbox"/> Logged based on info from other samples on COC <input type="checkbox"/> Logged according to Work Plan <input type="checkbox"/> Logged on HOLD UNTIL FURTHER NOTICE <input type="checkbox"/> Other _____</p>	<ul style="list-style-type: none"> • SAMPLES <p><input type="checkbox"/> Will be noted on COC—Client to send samples with new COC <input type="checkbox"/> Mislabeled as to tests, preservatives, etc. <input type="checkbox"/> Holding time expired <input type="checkbox"/> Improper container used <input type="checkbox"/> Not preserved/Improper preservative used <input type="checkbox"/> Improper pH _____ Lab to preserve sample and document <input type="checkbox"/> Insufficient quantities for analysis</p>

Comments As per sample per Trans.

Corrective Action Implemented:

Client Informed: verbally on

Sample(s) processed "as is."

Sample(s) on hold until:

9/24/01 By:

In writing on 9/24/61 By:

If released, notify:

Sample Control Supervisor Review:

Project Management Review:

Date:

Date: 9/24/01

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

000007

EXECUTIVE SUMMARY - Detection Highlights

E11210360

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_208_1 09/21/01 12:00 001				
Arsenic	5.0	1.0	mg/kg	SW846 6010B
PD_208_3 09/21/01 12:00 002				
Arsenic	5.3	1.0	mg/kg	SW846 6010B
PD_209_1 09/21/01 12:00 003				
Arsenic	4.9	1.0	mg/kg	SW846 6010B
PD_209_3 09/21/01 12:00 004				
Arsenic	3.9	1.0	mg/kg	SW846 6010B
PD_210_1 09/21/01 12:00 005				
Arsenic	5.1	1.0	mg/kg	SW846 6010B
PD_210_3 09/21/01 12:00 006				
Arsenic	3.3	1.0	mg/kg	SW846 6010B
PD_211_1 09/21/01 12:00 007				
Arsenic	12.8	1.0	mg/kg	SW846 6010B
PD_211_3 09/21/01 12:00 008				
Arsenic	26.4	1.0	mg/kg	SW846 6010B
PD_212_1 09/21/01 12:00 009				
Arsenic	3.3	1.0	mg/kg	SW846 6010B
PD_212_3 09/21/01 12:00 010				
Arsenic	2.5	1.0	mg/kg	SW846 6010B
PD_213_1 09/21/01 12:00 011				
Arsenic	9.6	1.0	mg/kg	SW846 6010B

(Continued on next page)

000008

EXECUTIVE SUMMARY - Detection Highlights

E1I210360

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_213_3 09/21/01 12:00 012				
Arsenic	3.1	1.0	mg/kg	SW846 6010B
PD_214_1 09/21/01 12:00 013				
Arsenic	183	1.0	mg/kg	SW846 6010B
PD_214_3 09/21/01 12:00 014				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_215_1 09/21/01 12:00 015				
Arsenic	10.9	1.0	mg/kg	SW846 6010B
PD_215_3 09/21/01 12:00 016				
Arsenic	139	1.0	mg/kg	SW846 6010B
PD_216_1 09/21/01 12:00 017				
Arsenic	8.3	1.0	mg/kg	SW846 6010B
PD_216_3 09/21/01 12:00 018				
Arsenic	3.3	1.0	mg/kg	SW846 6010B
PD_217_1 09/21/01 12:00 019				
Arsenic	10.9	1.0	mg/kg	SW846 6010B
PD_217_3 09/21/01 12:00 020				
Arsenic	3.6	1.0	mg/kg	SW846 6010B
PD_218_1 09/21/01 12:00 021				
Arsenic	11.3	1.0	mg/kg	SW846 6010B
PD_218_3 09/21/01 12:00 022				
Arsenic	2.9	1.0	mg/kg	SW846 6010B

(Continued on next page)

000009

EXECUTIVE SUMMARY - Detection Highlights

E1I210360

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_219_1 09/21/01 12:00 023				
Arsenic	12.1	1.0	mg/kg	SW846 6010B
PD_219_3 09/21/01 12:00 024				
Arsenic	7.1	1.0	mg/kg	SW846 6010B
PD_220_1 09/21/01 12:00 025				
Arsenic	8.5	1.0	mg/kg	SW846 6010B
PD_220_3 09/21/01 12:00 026				
Arsenic	3.5	1.0	mg/kg	SW846 6010B

000010

METHODS SUMMARY

E1I210360

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000011

SAMPLE SUMMARY

E11210360

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
EKXG5	001	PD_208_1	09/21/01	12:00
EKXG7	002	PD_208_3	09/21/01	12:00
EKXG8	003	PD_209_1	09/21/01	12:00
EKXG9	004	PD_209_3	09/21/01	12:00
EKXHA	005	PD_210_1	09/21/01	12:00
EKXHD	006	PD_210_3	09/21/01	12:00
EKXHE	007	PD_211_1	09/21/01	12:00
EKXHF	008	PD_211_3	09/21/01	12:00
EKXHG	009	PD_212_1	09/21/01	12:00
EKXHH	010	PD_212_3	09/21/01	12:00
EKXHJ	011	PD_213_1	09/21/01	12:00
EKXHK	012	PD_213_3	09/21/01	12:00
EKXHM	013	PD_214_1	09/21/01	12:00
EKXHP	014	PD_214_3	09/21/01	12:00
EKXHQ	015	PD_215_1	09/21/01	12:00
EKXHR	016	PD_215_3	09/21/01	12:00
EKXHT	017	PD_216_1	09/21/01	12:00
EKXHV	018	PD_216_3	09/21/01	12:00
EKXHW	019	PD_217_1	09/21/01	12:00
EKXHX	020	PD_217_3	09/21/01	12:00
EKXHO	021	PD_218_1	09/21/01	12:00
EKXH1	022	PD_218_3	09/21/01	12:00
EKXH2	023	PD_219_1	09/21/01	12:00
EKXH3	024	PD_219_3	09/21/01	12:00
EKXH4	025	PD_220_1	09/21/01	12:00
EKXH5	026	PD_220_3	09/21/01	12:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000012

HALEY & ALDRICH INC

Client Sample ID: PD_208_1

TOTAL Metals

Lot-Sample #....: E1I210360-001 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	5.0	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXG51AA
		Dilution Factor:	1	Analysis Time...:	13:24	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1264219	MDL.....:		0.40

000013

HALEY & ALDRICH INC

Client Sample ID: PD_208_3

TOTAL Metals

Lot-Sample #....: E1I210360-002 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	5.3	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXG71AA
		Dilution Factor:	1	Analysis Time..:	13:59	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000014

HALEY & ALDRICH INC

Client Sample ID: PD_209_1

TOTAL Metals

Lot-Sample #....: E1I210360-003 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	4.9	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXG81AA
		Dilution Factor:	1	Analysis Time..:	14:22	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000015

HALEY & ALDRICH INC

Client Sample ID: PD_209_3

TOTAL Metals

Lot-Sample #...: E1I210360-004 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>PREPARATION-</u>			
Prep Batch #...: 1264512							
Arsenic	3.9	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXG91AA	
		Dilution Factor: 1		Analysis Time...: 14:31	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1264219	MDL.....:	0.40	

000016

HALEY & ALDRICH INC

Client Sample ID: PD_210_1

TOTAL Metals

Lot-Sample #....: E1I210360-005 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ANALYST ID</u>	
Prep Batch #....:	1264512						
Arsenic	5.1	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXHALAA	
		Dilution Factor:	1	Analysis Time...:	14:37	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40

000017

HALEY & ALDRICH INC

Client Sample ID: PD_210_3

TOTAL Metals

Lot-Sample #....: E1I210360-006 Matrix.....: SOLID
Date Sampled....: 09/21/01 12:00 Date Received...: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	3.3	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHD1AA
		Dilution Factor:	1	Analysis Time...:	14:44	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000018

HALEY & ALDRICH INC

Client Sample ID: PD_211_1

TOTAL Metals

Lot-Sample #....: E1I210360-007 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	12.8	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHE1AA
		Dilution Factor:	1	Analysis Time...:	14:51	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000019

HALEY & ALDRICH INC

Client Sample ID: PD_211_3

TOTAL Metals

Lot-Sample #....: E1I210360-008 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	26.4	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHF1AA
		Dilution Factor:	1	Analysis Time..:	15:01	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000020

HALEY & ALDRICH INC

Client Sample ID: PD_212_1

TOTAL Metals

Lot-Sample #....: E1I210360-009 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received...: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	3.3	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHG1AA
		Dilution Factor:	1	Analysis Time...:	15:12	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000021

HALEY & ALDRICH INC

Client Sample ID: PD_212_3

TOTAL Metals

Lot-Sample #....: E1I210360-010 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	2.5	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHH1AA
		Dilution Factor:	1	Analysis Time..:	15:20	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000022

HALEY & ALDRICH INC

Client Sample ID: PD_213_1

TOTAL Metals

Lot-Sample #....: E1I210360-011 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received...: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>					
Prep Batch #....:	1264512								
Arsenic	9.6	1.0	mg/kg		SW846 6010B			09/21-09/22/01	EKXHJ1AA
		Dilution Factor:	1		Analysis Time...:	15:28	Analyst ID.....:	021088	
		Instrument ID..:	M01		MS Run #.....:	1264219	MDL.....:	0.40	

000023

HALEY & ALDRICH INC

Client Sample ID: PD_213_3

TOTAL Metals

Lot-Sample #....: E1I210360-012 Matrix.....: SOLID
Date Sampled....: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING	UNITS	METHOD	PREPARATION-	WORK	ORDER #
		LIMIT			ANALYSIS DATE		
Prep Batch #....:	1264512						
Arsenic	3.1	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXHK1AA	
		Dilution Factor:	1	Analysis Time...:	15:37	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40

000024

HALEY & ALDRICH INC

Client Sample ID: PD_214_1

TOTAL Metals

Lot-Sample #....: EII210360-013 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 1264512						
Arsenic	183	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXHM1AA
		Dilution Factor:	1	Analysis Time...: 15:58	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....: 1264219	MDL.....:	0.40

000025

HALEY & ALDRICH INC

Client Sample ID: PD_214_3

TOTAL Metals

Lot-Sample #....: E1I210360-014 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1264512							
Arsenic	3.2	1.0	mg/kg		SW846 6010B		09/21-09/22/01	EKXHP1AA
		Dilution Factor:	1		Analysis Time...:	16:09	Analyst ID....:	021088
		Instrument ID...:	M01		MS Run #.....:	1264219	MDL.....:	0.40

000026

HALEY & ALDRICH INC

Client Sample ID: PD_215_1

TOTAL Metals

Lot-Sample #....: E1I210360-015 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received...: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	1264512						
Arsenic	10.9	1.0	mg/kg	SW846 6010B		09/21-09/22/01	EKXHQ1AA
		Dilution Factor:	1	Analysis Time...:	16:15	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1264219	MDL.....:	0.40

000027

HALEY & ALDRICH INC

Client Sample ID: PD_215_3

TOTAL Metals

Lot-Sample #....: E1I210360-016 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 1264512						
Arsenic	139	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXHR1AA
		Dilution Factor:	1	Analysis Time...: 16:24	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....: 1264219	MDL.....:	0.40

000028

HALEY & ALDRICH INC

Client Sample ID: PD_216_1

TOTAL Metals

Lot-Sample #....: E1I210360-017 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received...: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	8.3	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EXXHT1AA
		Dilution Factor:	1	Analysis Time...:	16:34	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000029

HALEY & ALDRICH INC

Client Sample ID: PD_216_3

TOTAL Metals

Lot-Sample #....: E1I210360-018 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>						
Prep Batch #....:	1264512								
Arsenic	3.3	1.0	mg/kg		SW846 6010B			09/21-09/22/01	EKXHV1AA
		Dilution Factor: 1			Analysis Time...: 16:42			Analyst ID.....:	021088
		Instrument ID..: M01			MS Run #.....: 1264219			MDL.....:	0.40

000030

HALEY & ALDRICH INC

Client Sample ID: PD_217_1

TOTAL Metals

Lot-Sample #....: E1I210360-019 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264512							
Arsenic	10.9	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHW1AA
		Dilution Factor:	1	Analysis Time...:	16:51	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000031

HALEY & ALDRICH INC

Client Sample ID: PD_217_3

TOTAL Metals

Lot-Sample #....: E1I210360-020 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1264512							
Arsenic	3.6	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXHX1AA
		Dilution Factor:	1	Analysis Time..:	16:59	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1264219	MDL.....:	0.40	

000032

HALEY & ALDRICH INC

Client Sample ID: PD_218_1

TOTAL Metals

Lot-Sample #....: E1I210360-021 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1264513							
Arsenic	11.3	1.0	mg/kg	SW846 6010B		09/21-09/22/01	EKXH01AA	
		Dilution Factor: 1		Analysis Time..: 17:39		Analyst ID.....:	021088	
		Instrument ID..: M01		MS Run #.....: 1264221		MDL.....:	0.40	

000033

HALEY & ALDRICH INC

Client Sample ID: PD_218_3

TOTAL Metals

Lot-Sample #....: E1I210360-022 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1264513							
Arsenic	2.9	1.0	mg/kg	SW846 6010B			09/21-09/22/01	EKXH11AA
		Dilution Factor:	1	Analysis Time..:	18:12	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1264221	MDL.....:		0.40

000034

HALEY & ALDRICH INC

Client Sample ID: PD_219_1

TOTAL Metals

Lot-Sample #...: E1I210360-023 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #...:	1264513								
Arsenic	12.1	1.0	mg/kg	SW846 6010B		09/21-09/22/01	EXXH21AA		
		Dilution Factor:	1	Analysis Time..:	18:19	Analyst ID....:	021088		
		Instrument ID..:	M01	MS Run #.....:	1264221	MDL.....:	0.40		

000035

HALEY & ALDRICH INC

Client Sample ID: PD_219_3

TOTAL Metals

Lot-Sample #...: E1I210360-024 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #...: 1264513							
Arsenic	7.1	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXH31AA	
		Dilution Factor: 1		Analysis Time...: 18:29	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1264221	MDL.....:	0.40	

000036

HALEY & ALDRICH INC

Client Sample ID: PD_220_1

TOTAL Metals

Lot-Sample #....: E1I210360-025 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- WORK	
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #: 1264513						
Arsenic	8.5	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXH41AA
		Dilution Factor:	1	Analysis Time...:	18:37	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1264221	MDL.....: 0.40

000037

HALEY & ALDRICH INC

Client Sample ID: PD_220_3

TOTAL Metals

Lot-Sample #...: E1I210360-026 Matrix.....: SOLID
Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
Prep Batch #: 1264513							
Arsenic	3.5	1.0	mg/kg	SW846 6010B	09/21-09/22/01	EKXH51AA	
		Dilution Factor:	1	Analysis Time...: 18:48	Analyst ID....:	021088	
		Instrument ID...:	M01	MS Run #.....: 1264221	MDL.....:	0.40	

000038

QC DATA ASSOCIATION SUMMARY

E1I210360

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 6010B		1264512	1264219
002	SOLID	SW846 6010B		1264512	1264219
003	SOLID	SW846 6010B		1264512	1264219
004	SOLID	SW846 6010B		1264512	1264219
005	SOLID	SW846 6010B		1264512	1264219
006	SOLID	SW846 6010B		1264512	1264219
007	SOLID	SW846 6010B		1264512	1264219
008	SOLID	SW846 6010B		1264512	1264219
009	SOLID	SW846 6010B		1264512	1264219
010	SOLID	SW846 6010B		1264512	1264219
011	SOLID	SW846 6010B		1264512	1264219
012	SOLID	SW846 6010B		1264512	1264219
013	SOLID	SW846 6010B		1264512	1264219
014	SOLID	SW846 6010B		1264512	1264219
015	SOLID	SW846 6010B		1264512	1264219
016	SOLID	SW846 6010B		1264512	1264219
017	SOLID	SW846 6010B		1264512	1264219
018	SOLID	SW846 6010B		1264512	1264219
019	SOLID	SW846 6010B		1264512	1264219
020	SOLID	SW846 6010B		1264512	1264219
021	SOLID	SW846 6010B		1264513	1264221

(Continued on next page)

000039

QC DATA ASSOCIATION SUMMARY

E1I210360

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	SOLID	SW846 6010B		1264513	1264221
023	SOLID	SW846 6010B		1264513	1264221
024	SOLID	SW846 6010B		1264513	1264221
025	SOLID	SW846 6010B		1264513	1264221
026	SOLID	SW846 6010B		1264513	1264221

000040

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E1I210360

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
MB Lot-Sample #:	E1I210000-512	Prep Batch #....:	1264512				
Arsenic	ND	1.0	mg/kg	SW846 6010B		09/21-09/22/01	EKXJX1AA
		Dilution Factor:	1				
		Analysis Time..:	13:10	Analyst ID.....:	021088	Instrument ID...:	M01

MB Lot-Sample #:

MB Lot-Sample #:	E1I210000-513	Prep Batch #....:	1264513				
Arsenic	ND	1.0	mg/kg	SW846 6010B		09/21-09/22/01	EKXJ21AA
		Dilution Factor:	1				
		Analysis Time..:	17:07	Analyst ID.....:	021088	Instrument ID...:	M01

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000041

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1I210360

Matrix.....: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>PREPARATION- METHOD</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: E1I210000-512 Prep Batch #....: 1264512						
Arsenic	200	176	mg/kg	88	SW846 6010B	09/21-09/22/01 EKXJX1AC
				Dilution Factor: 1		
				Analysis Time...: 13:16	Analyst ID.....: 021088	Instrument ID...: M01
LCS Lot-Sample#: E1I210000-513 Prep Batch #....: 1264513						
Arsenic	200	181	mg/kg	90	SW846 6010B	09/21-09/22/01 EKXJ21AC
				Dilution Factor: 1		
				Analysis Time...: 17:14	Analyst ID.....: 021088	Instrument ID...: M01

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000042

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1I210360

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	E1I210000-512	Prep Batch #...: 1264512			
Arsenic	88	(75 - 115)	SW846 6010B	09/21-09/22/01	EKXJX1AC
		Dilution Factor: 1			
		Analysis Time...: 13:16		Analyst ID....: 021088	Instrument ID..: M01
LCS Lot-Sample#:	E1I210000-513	Prep Batch #...: 1264513			
Arsenic	90	(75 - 115)	SW846 6010B	09/21-09/22/01	EKXJZ1AC
		Dilution Factor: 1			
		Analysis Time...: 17:14		Analyst ID....: 021088	Instrument ID..: M01

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000043

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1I210360

Matrix.....: SOLID

Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

SAMPLE	SPIKE	MEASURED	PERCNT	PREPARATION-	WORK		
PARAMETER	AMOUNT	AMT	RECVRY	RPD	METHOD	ANALYSIS DATE	ORDER #

MS Lot-Sample #: E1I210360-001 Prep Batch #....: 1264512

Arsenic

5.0	200	186	mg/kg	90	SW846	6010B	09/21-09/22/01	EKXG51AC	
5.0	200	186	mg/kg	91	0.09	SW846	6010B	09/21-09/22/01	EKXG51AD

Dilution Factor: 1

Analysis Time...: 13:39 Instrument ID...: M01 Analyst ID.....: 021088

MS Run #.....: 1264219

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000044

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1I210360

Matrix.....: SOLID

Date Sampled...: 09/21/01 12:00 Date Received...: 09/21/01 17:30

PARAMETER	SAMPLE	SPIKE	MEASURED	PERCNT	PREPARATION-		WORK
	AMOUNT	AMT	AMOUNT	RECVRY	RPD	METHOD	ANALYSIS DATE

MS Lot-Sample #: E1I210360-021 Prep Batch #...: 1264513

Arsenic

11.3	200	193	mg/kg	91	SW846	6010B	09/21-09/22/01	EKXH01AC	
11.3	200	189	mg/kg	89	2.0	SW846	6010B	09/21-09/22/01	EKXH01AD

Dilution Factor: 1

Analysis Time...: 17:53 Instrument ID...: M01 Analyst ID.....: 021088

MS Run #.....: 1264221

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000045

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1I210360

Matrix.....: SOLID

Date Sampled...: 09/21/01 12:00 Date Received..: 09/21/01 17:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1I210360-001 Prep Batch #: 1264512							
Arsenic	90	(75 - 115)		SW846 6010B		09/21-09/22/01	EKXG51AC
	91	(75 - 115)	0.09 (0-25)	SW846 6010B		09/21-09/22/01	EKXG51AD
		Dilution Factor:	1				
		Analysis Time...:	13:39	Instrument ID...:	M01		Analyst ID.....: 021088
		MS Run #.....:	1264219				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000046

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1I210360

Matrix.....: SOLID

Date Sampled...: 09/21/01 12:00 Date Received...: 09/21/01 17:30

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1I210360-021 Prep Batch #....: 1264513							
Arsenic	91	(75 - 115)		SW846 6010B		09/21-09/22/01	EKXH01AC
	89	(75 - 115) 2.0 (0-25)		SW846 6010B		09/21-09/22/01	EKXH01AD
Dilution Factor: 1							
Analysis Time...: 17:53 Instrument ID...: M01 Analyst ID.....: 021088							
MS Run #.....: 1264221							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000047

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1721 South Grand Avenue
Santa Ana, CA 92705-4808

August 31, 2001

Tel: 714 258 8610
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STL LOT NUMBER: E1H300297
NELAP Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

Scott Zachary
Haley & Aldrich Inc
9040 Friars Road
Suite 220
San Diego, CA 92108

Dear Mr. Zachary,

This report contains the analytical results for the 34 samples received under chain of custody by STL Los Angeles on August 30, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,



Diane Suzuki
Project Manager
CC: Project File

Page 1 of **000055** total pages in this report.

000001

STL Los Angeles is a part of Severn Trent Laboratories, Inc.



*Chain of
Custody Record*

STI -4124 (0700)

SEVERN
TRENT
SERVICES

Client Haley & Aldrich		Project Manager Scott Zachary		Date 8/30/01	Chain of Custody Number 054149
Address 9040 Flames Rd Suite 220		Telephone Number (Area Code)/Fax Number 619 - 455-2800 - 9210		Lab Number Page 4 of 3	
City SAN DIEGO		State CA	Zip Code 92103	Site Contact Carrier/Waybill Number 27285-001	Analysis (Attach list if more space is needed)
Special Instructions/ Conditions of Receipt ACSENIC					
Project Name and Location (State) BOWING C6 - TOWNE, CA		Matrix		Containers & Preservatives	
Purchase Order/Quote No. 27285-001		Date	Time	Soil	NaOH
Sample I.D. No. and Description (Containers for each sample may be combined on one line)				Aquacres	ZnAcH
PD - 164-1'		8/30/01	12:00	X	X
PD - 164-3'					
PD - 165-1'					
PD - 165-3'					
PD - 166-1'					
PD - 166-3'					
PD - 167-1'					
PD - 167-3'					
PD - 168-1'					
PD - 168-3'					
PD - 169-1'					
PD - 169-3'					
Sample Disposal					
(A fee may be assessed if samples are retained longer than 3 months)					
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input checked="" type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____			
Turn Around Time Required		<input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____			
1. Relinquished By Klaus Hammond		Date 8/30/01	Time 2:15	1. Received By Brian S. St. S.	
2. Relinquished By		Date	Time	2. Received By	
		Date	Time	3. Received By	
		Date	Time	Time	
		Date	Time	Time	

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0002408

**Chain of
Custody Record**

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (07/00)

Client	Haley & Aldrich			Project Manager	Scott Cachay		Date	8/30/01	Chain of Custody Number	054150	
Address	9040 Franks Rd Suite 220			Telephone Number /Area Code/Fax Number	619-280-9210		Lab Number		Page	2 of 3	
City	San Diego	CA	92103	Site Contact	Carrier/Waybill Number		Analysis (Attach list if more space is needed)			Special Instructions/ Conditions of Receipt	
Project Name and Location (State)				Contract/Purchase Order/Quote No.		Assay/C					
27285-001				Carrier/Waybill Number		Containers & Preservatives					
(Containers for each sample may be combined on one line)				Date	Time	Matrix	Preservatives				
Sample I.D. No. and Description				Aqueous	Air	Sed.	HNO3	HCl	NaOH	ZnAc	
(Containers for each sample may be combined on one line)				Acetone	Oil	Soil	H2SO4	Uptres.			
PD-170-1'				8/29/01	1100	X	X	X	X		
PD-170-3'						X					
PD-171-1'						X					
PD-171-3'											
PD-172-1'											
PD-172-3'											
PD-173-1'											
PD-173-3'											
PD-174-1'											
PD-174-3'											
PD-175-1'											
PD-175-3'											
Comments											

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

1. Relinquished By Travis Hammond Date 8/30/01 Time 14:15 1. Received By Brian S. Date 08/30/01 Time 14:15

2. Relinquished By _____ Date _____ Time _____ 2. Received By _____ Date _____ Time _____

3. Relinquished By _____ Date _____ Time _____ 3. Received By _____ Date _____ Time _____

Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison A Unknown Poison B Other _____ QC Requirements (Specify) Disposal By Lab Return To Client Archive For _____ Months longer than 3 months

Turn Around Time Required 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

Severn Trent Laboratories, Inc.

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

EXECUTIVE SUMMARY - Detection Highlights

E1H300297

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_164_1 08/30/01 12:00 001				
Arsenic	21.5	1.0	mg/kg	SW846 6010B
PD_164_3 08/30/01 12:00 002				
Arsenic	2.7	1.0	mg/kg	SW846 6010B
PD_165_1 08/30/01 12:00 003				
Arsenic	38.0	1.0	mg/kg	SW846 6010B
PD_165_3 08/30/01 12:00 004				
Arsenic	2.7	1.0	mg/kg	SW846 6010B
PD_166_1 08/30/01 12:00 005				
Arsenic	21.7	1.0	mg/kg	SW846 6010B
PD_166_3 08/30/01 12:00 006				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_167_1 08/30/01 12:00 007				
Arsenic	11.1	1.0	mg/kg	SW846 6010B
PD_167_3 08/30/01 12:00 008				
Arsenic	31.7	1.0	mg/kg	SW846 6010B
PD_168_1 08/30/01 12:00 009				
Arsenic	9.2	1.0	mg/kg	SW846 6010B
PD_168_3 08/30/01 12:00 010				
Arsenic	6.8	1.0	mg/kg	SW846 6010B
PD_169_1 08/29/01 17:00 011				
Arsenic	4.5	1.0	mg/kg	SW846 6010B

(Continued on next page)

000006

EXECUTIVE SUMMARY - Detection Highlights

E1H300297

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_169_3 08/29/01 17:00 012				
Arsenic	3.9	1.0	mg/kg	SW846 6010B
PD_170_1 08/29/01 17:00 013				
Arsenic	3.6	1.0	mg/kg	SW846 6010B
PD_170_3 08/29/01 17:00 014				
Arsenic	2.8	1.0	mg/kg	SW846 6010B
PD_171_1 08/29/01 17:00 015				
Arsenic	3.6	1.0	mg/kg	SW846 6010B
PD_171_3 08/29/01 17:00 016				
Arsenic	3.8	1.0	mg/kg	SW846 6010B
PD_172_1 08/29/01 17:00 017				
Arsenic	39.4	1.0	mg/kg	SW846 6010B
PD_172_3 08/29/01 17:00 018				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
PD_173_1 08/29/01 17:00 019				
Arsenic	6.3	1.0	mg/kg	SW846 6010B
PD_173_3 08/29/01 17:00 020				
Arsenic	9.8	1.0	mg/kg	SW846 6010B
PD_174_1 08/29/01 17:00 021				
Arsenic	10	1.0	mg/kg	SW846 6010B
PD_174_3 08/29/01 17:00 022				
Arsenic	4.8	1.0	mg/kg	SW846 6010B

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000007

EXECUTIVE SUMMARY - Detection Highlights

E1H300297

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_175_1 08/29/01 17:00 023				
Arsenic	8.2	1.0	mg/kg	SW846 6010B
PD_175_3 08/29/01 17:00 024				
Arsenic	4.8	1.0	mg/kg	SW846 6010B
PD_176_1 08/29/01 17:00 025				
Arsenic	5.3	1.0	mg/kg	SW846 6010B
PD_176_3 08/29/01 17:00 026				
Arsenic	3.7	1.0	mg/kg	SW846 6010B
PD_177_1 08/29/01 17:00 027				
Arsenic	36.1	1.0	mg/kg	SW846 6010B
PD_177_3 08/29/01 17:00 028				
Arsenic	3.7	1.0	mg/kg	SW846 6010B
PD_178_1 08/29/01 17:00 029				
Arsenic	31.0	1.0	mg/kg	SW846 6010B
PD_178_3 08/29/01 17:00 030				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_179_1 08/29/01 17:00 031				
Arsenic	31.6	1.0	mg/kg	SW846 6010B
PD_179_3 08/29/01 17:00 032				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_180_1 08/29/01 17:00 033				
Arsenic	26.5	1.0	mg/kg	SW846 6010B

(Continued on next page)

000008

EXECUTIVE SUMMARY - Detection Highlights

E1H300297

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_180_3 08/29/01 17:00 034				
Arsenic	43.5	1.0	mg/kg	SW846 6010B

000009

METHODS SUMMARY

E1H300297

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000010

SAMPLE SUMMARY

E1H300297

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EJVG C	001	PD_164_1'	08/30/01	12:00
EJVG G	002	PD_164_3	08/30/01	12:00
EJVG H	003	PD_165_1	08/30/01	12:00
EJVG J	004	PD_165_3	08/30/01	12:00
EJVG L	005	PD_166_1	08/30/01	12:00
EJVG Q	006	PD_166_3	08/30/01	12:00
EJVG R	007	PD_167_1	08/30/01	12:00
EJVG W	008	PD_167_3	08/30/01	12:00
EJVG O	009	PD_168_1	08/30/01	12:00
EJVG 1	010	PD_168_3	08/30/01	12:00
EJVG 3	011	PD_169_1	08/29/01	17:00
EJVG 8	012	PD_169_3	08/29/01	17:00
EJV H A	013	PD_170_1	08/29/01	17:00
EJV H C	014	PD_170_3	08/29/01	17:00
EJV H F	015	PD_171_1	08/29/01	17:00
EJV H H	016	PD_171_3	08/29/01	17:00
EJV H J	017	PD_172_1	08/29/01	17:00
EJV H L	018	PD_172_3	08/29/01	17:00
EJV H M	019	PD_173_1	08/29/01	17:00
EJV H P	020	PD_173_3	08/29/01	17:00
EJV H Q	021	PD_174_1	08/29/01	17:00
EJV H R	022	PD_174_3	08/29/01	17:00
EJV H T	023	PD_175_1	08/29/01	17:00
EJV H V	024	PD_175_3	08/29/01	17:00
EJV H X	025	PD_176_1	08/29/01	17:00
EJV H 1	026	PD_176_3	08/29/01	17:00
EJV H 2	027	PD_177_1	08/29/01	17:00
EJV H 4	028	PD_177_3	08/29/01	17:00
EJV H 5	029	PD_178_1	08/29/01	17:00
EJV H 6	030	PD_178_3	08/29/01	17:00
EJV H 7	031	PD_179_1	08/29/01	17:00
EJV H 8	032	PD_179_3	08/29/01	17:00
EJV J C	033	PD_180_1	08/29/01	17:00
EJV J D	034	PD_180_3	08/29/01	17:00

(Continued on next page)

000011

SAMPLE SUMMARY

E1H300297

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
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NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000012

HALEY & ALDRICH INC

Client Sample ID: PD_164_1'

TOTAL Metals

Lot-Sample #....: E1H300297-001 Matrix.....: SOLID
Date Sampled...: 08/30/01 12:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1242453							
Arsenic	21.5	1.0	mg/kg	SW846 6010B			08/30-08/31/01	EJVGClAA
		Dilution Factor:	1	Analysis Time...:	12:52	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1242236	MDL.....:	0.40	

000013

HALEY & ALDRICH INC

Client Sample ID: PD_164_3

TOTAL Metals

Lot-Sample #....: E1H300297-002 Matrix.....: SOLID
Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242453								
Arsenic	2.7	1.0	mg/kg		SW846 6010B			08/30-08/31/01	EJVGG1AA
		Dilution Factor: 1			Analysis Time...: 13:27			Analyst ID.....:	021088
		Instrument ID...: M01			MS Run #.....: 1242236			MDL.....: 0.40	

000014

HALEY & ALDRICH INC

Client Sample ID: PD_165_1

TOTAL Metals

Lot-Sample #....: E1H300297-003

Matrix.....: SOLID

Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....: 1242453							
Arsenic	38.0	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVGH1AA
		Dilution Factor: 1		Analysis Time...: 13:35		Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1242236		MDL.....: 0.40	

000015

HALEY & ALDRICH INC

Client Sample ID: PD_165_3

TOTAL Metals

Lot-Sample #....: E1H300297-004 Matrix.....: SOLID
Date Sampled...: 08/30/01 12:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242453								
Arsenic	2.7	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVGJ1AA		
		Dilution Factor:	1		Analysis Time..:	13:58	Analyst ID....:	021088	
		Instrument ID..:	M01		MS Run #.....:	1242236	MDL.....:	0.40	

000016

HALEY & ALDRICH INC

Client Sample ID: PD_166_1

TOTAL Metals

Lot-Sample #....: E1H300297-005 Matrix.....: SOLID
Date Sampled...: 08/30/01 12:00 Date Received..: 08/30/01 14:15

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>					
Prep Batch #....:	1242453								
Arsenic	21.7	1.0	mg/kg		SW846 6010B			08/30-08/31/01	EJVGL1AA
		Dilution Factor: 1			Analysis Time..: 14:06			Analyst ID.....:	021088
		Instrument ID...: M01			MS Run #.....: 1242236			MDL.....:	0.40

000017

HALEY & ALDRICH INC

Client Sample ID: PD_166_3

TOTAL Metals

Lot-Sample #....: E1H300297-006

Matrix.....: SOLID

Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....: 1242453							
Arsenic	4.5	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVGQ1AA
		Dilution Factor: 1		Analysis Time...: 14:15		Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1242236		MDL.....:	0.40

000018

HALEY & ALDRICH INC

Client Sample ID: PD_167_1

TOTAL Metals

Lot-Sample #....: E1H300297-007
Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242453								
Arsenic	11.1	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVGR1AA		
		Dilution Factor:	1	Analysis Time..:	14:23	Analyst ID.....:	021088		
		Instrument ID..:	M01	MS Run #.....:	1242236	MDL.....:	0.40		

000019

HALEY & ALDRICH INC

Client Sample ID: PD_167_3

TOTAL Metals

Lot-Sample #....: E1H300297-008 Matrix.....: SOLID
Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYSIS DATE</u>			<u>ORDER #</u>
Prep Batch #....:	1242453						
Arsenic	31.7	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVGW1AA
		Dilution Factor: 1		Analysis Time...: 14:31		Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1242236		MDL.....:	0.40

000020

HALEY & ALDRICH INC

Client Sample ID: PD_168_1

TOTAL Metals

Lot-Sample #....: E1H300297-009 Matrix.....: SOLID
Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242453								
Arsenic	9.2	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVG01AA		
		Dilution Factor:	1		Analysis Time...:	14:40	Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....:	1242236	MDL.....:	0.40	

000021

HALEY & ALDRICH INC

Client Sample ID: PD_168_3

TOTAL Metals

Lot-Sample #....: E1H300297-010
Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1242453									
Arsenic	6.8	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVG11AA		
		Dilution Factor:	1		Analysis Time...: 00:00		Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....: 1242236		MDL.....:	0.40	

000022

HALEY & ALDRICH INC

Client Sample ID: PD_169_1

TOTAL Metals

Lot-Sample #....: E1H300297-011
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>						
Prep Batch #....:	1242453								
Arsenic	4.5	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVG31AA		
		Dilution Factor: 1		Analysis Time...: 14:56		Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1242236		MDL.....:	0.40		

000023

HALEY & ALDRICH INC

Client Sample ID: PD_169_3

TOTAL Metals

Lot-Sample #...: E1H300297-012

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #...: 1242453							
Arsenic	3.9	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVG81AA
		Dilution Factor:	1	Analysis Time...:	15:07	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1242236	MDL.....:	0.40

000024

HALEY & ALDRICH INC

Client Sample ID: PD_170_1

TOTAL Metals

Lot-Sample #....: E1H300297-013 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242453								
Arsenic	3.6	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVHA1AA		
		Dilution Factor:	1	Analysis Time...:	15:15	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....:	1242236	MDL.....:	0.40		

000025

HALEY & ALDRICH INC

Client Sample ID: PD_170_3

TOTAL Metals

Lot-Sample #....: E1H300297-014 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1242453							
Arsenic	2.8	1.0	mg/kg	SW846 6010B			08/30-08/31/01	EJVHC1AA
		Dilution Factor:	1		Analysis Time..:	15:38		Analyst ID.....: 021088
		Instrument ID..:	M01		MS Run #.....:	1242236		MDL.....: 0.40

000026

HALEY & ALDRICH INC

Client Sample ID: PD_171_1

TOTAL Metals

Lot-Sample #....: E1H300297-015 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....:	1242453						
Arsenic	3.6	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVHF1AA	
		Dilution Factor: 1		Analysis Time...: 15:46	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1242236	MDL.....:	0.40	

000027

HALEY & ALDRICH INC

Client Sample ID: PD_171_3

TOTAL Metals

Lot-Sample #....: E1H300297-016

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1242453									
Arsenic	3.8	1.0	mg/kg		SW846 6010B		08/30-08/31/01	EJVHH1AA	
		Dilution Factor: 1			Analysis Time...: 15:55		Analyst ID.....:	021088	
		Instrument ID...: M01			MS Run #.....: 1242236		MDL.....:	0.40	

000028

HALEY & ALDRICH INC

Client Sample ID: PD_172_1

TOTAL Metals

Lot-Sample #....: E1H300297-017 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1242453							
Arsenic	39.4	1.0	mg/kg	SW846 6010B			08/30-08/31/01	EJVHJ1AA
		Dilution Factor:	1	Analysis Time..:	16:03	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1242236	MDL.....:	0.40	

000029

HALEY & ALDRICH INC

Client Sample ID: PD_172_3

TOTAL Metals

Lot-Sample #....: E1H300297-018
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....:	1242453						
Arsenic	4.1	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVHL1AA	
		Dilution Factor:	1	Analysis Time...:	16:11	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1242236	MDL.....:	0.40

000030

HALEY & ALDRICH INC

Client Sample ID: PD_173_1

TOTAL Metals

Lot-Sample #...: E1H300297-019 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #...:	1242453						
Arsenic	6.3	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVHM1AA	
		Dilution Factor:	1	Analysis Time..:	16:20	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1242236	MDL.....:	0.40

000031

HALEY & ALDRICH INC

Client Sample ID: PD_173_3

TOTAL Metals

Lot-Sample #...: E1H300297-020 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #...: 1242453							
Arsenic	9.8	1.0	mg/kg	SW846 6010B		08/30-08/31/01 EJVHPIAA	
		Dilution Factor: 1		Analysis Time..: 16:28		Analyst ID.....: 021088	
		Instrument ID...: M01		MS Run #.....: 1242236		MDL.....: 0.40	

000032

HALEY & ALDRICH INC

Client Sample ID: PD_174_1

TOTAL Metals

Lot-Sample #....: E1H300297-021
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242455								
Arsenic	10	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVHQ1AA		
		Dilution Factor: 1		Analysis Time...: 16:51		Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1242237		MDL.....:	0.40		

000033

HALEY & ALDRICH INC

Client Sample ID: PD_174_3

TOTAL Metals

Lot-Sample #....: E1H300297-022 **Matrix.....: SOLID**
Date Sampled...: 08/29/01 17:00 **Date Received...: 08/30/01 14:15**

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #: 1242455									
Arsenic	4.8	1.0	mg/kg		SW846 6010B		08/30-08/31/01	EJVHR1AA	
		Dilution Factor: 1			Analysis Time...: 17:43		Analyst ID.....:	021088	
		Instrument ID...: M01			MS Run #.....: 1242237		MDL.....:	0.40	

000034

HALEY & ALDRICH INC

Client Sample ID: PD_175_1

TOTAL Metals

Lot-Sample #....: E1H300297-023

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1242455								
Arsenic	8.2	1.0	mg/kg	SW846 6010B			08/30-08/31/01	EJVHT1AA
		Dilution Factor:	1		Analysis Time...:	17:51	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1242237	MDL.....:	0.40

000035

HALEY & ALDRICH INC

Client Sample ID: PD_175_3

TOTAL Metals

Lot-Sample #....: E1H300297-024

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1242455							
Arsenic	4.8	1.0	mg/kg	SW846 6010B			08/30-08/31/01	EJVHV1AA
		Dilution Factor:	1		Analysis Time...:	18:00	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1242237	MDL.....:	0.40

000036

HALEY & ALDRICH INC

Client Sample ID: PD_176_1

TOTAL Metals

Lot-Sample #....: E1H300297-025 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #: 1242455							
Arsenic	5.3	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVHX1AA	
		Dilution Factor:	1	Analysis Time..:	18:08	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1242237	MDL.....:	0.40

000037

HALEY & ALDRICH INC

Client Sample ID: PD_176_3

TOTAL Metals

Lot-Sample #....: E1H300297-026

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....:	1242455					
Arsenic	3.7	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVHL1AA
		Dilution Factor:	1	Analysis Time...:	18:16	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1242237	MDL.....: 0.40

000038

HALEY & ALDRICH INC

Client Sample ID: PD_177_1

TOTAL Metals

Lot-Sample #....: E1H300297-027

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #....: 1242455							
Arsenic	36.1	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVH21AA	
		Dilution Factor:	1	Analysis Time..: 18:25	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....: 1242237	MDL.....:	0.40	

000039

HALEY & ALDRICH INC

Client Sample ID: PD_177_3

TOTAL Metals

Lot-Sample #....: E1H300297-028

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1242455								
Arsenic	3.7	1.0	mg/kg	SW846 6010B	08/30-08/31/01		EJVH41AA	
Dilution Factor: 1			Analysis Time...: 18:33		Analyst ID.....: 021088			
Instrument ID...: M01			MS Run #.....: 1242237		MDL.....: 0.40			

000040

HALEY & ALDRICH INC

Client Sample ID: PD_178_1

TOTAL Metals

Lot-Sample #....: E1H300297-029
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	1242455						
Arsenic	31.0	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVH51AA
		Dilution Factor:	1	Analysis Time..:	18:56	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1242237	MDL.....:	0.40

000041

HALEY & ALDRICH INC

Client Sample ID: PD_178_3

TOTAL Metals

Lot-Sample #....: E1H300297-030

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....:	1242455					
Arsenic	3.2	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVH61AA
		Dilution Factor:	1	Analysis Time...:	19:04	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1242237	MDL.....: 0.40

000042

HALEY & ALDRICH INC

Client Sample ID: PD_179_1

TOTAL Metals

Lot-Sample #....: E1H300297-031 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Prep Batch #....:	1242455						
Arsenic	31.6	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVH71AA	
		Dilution Factor: 1		Analysis Time...: 19:13	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1242237	MDL.....:	0.40	

000043

HALEY & ALDRICH INC

Client Sample ID: PD_179_3

TOTAL Metals

Lot-Sample #....: E1H300297-032
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>		
Prep Batch #....: 1242455							
Arsenic	3.2	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVB81AA	
		Dilution Factor:	1	Analysis Time...: 19:21	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....: 1242237	MDL.....:	0.40	

000044

HALEY & ALDRICH INC

Client Sample ID: PD_180_1

TOTAL Metals

Lot-Sample #....: E1H300297-033
Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1242455								
Arsenic	26.5	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVJC1AA		
		Dilution Factor:	1	Analysis Time...: 19:29	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1242237	MDL.....:	0.40		

000045

HALEY & ALDRICH INC

Client Sample ID: PD_180_3

TOTAL Metals

Lot-Sample #....: E1H300297-034 Matrix.....: SOLID
Date Sampled...: 08/29/01 17:00 Date Received..: 08/30/01 14:15

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1242455								
Arsenic	43.5	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVJD1AA		
		Dilution Factor: 1		Analysis Time...: 19:38		Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1242237		MDL.....:	0.40		

000046

QC DATA ASSOCIATION SUMMARY

E1H300297

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 6010B		1242453	1242236
002	SOLID	SW846 6010B		1242453	1242236
003	SOLID	SW846 6010B		1242453	1242236
004	SOLID	SW846 6010B		1242453	1242236
005	SOLID	SW846 6010B		1242453	1242236
006	SOLID	SW846 6010B		1242453	1242236
007	SOLID	SW846 6010B		1242453	1242236
008	SOLID	SW846 6010B		1242453	1242236
009	SOLID	SW846 6010B		1242453	1242236
010	SOLID	SW846 6010B		1242453	1242236
011	SOLID	SW846 6010B		1242453	1242236
012	SOLID	SW846 6010B		1242453	1242236
013	SOLID	SW846 6010B		1242453	1242236
014	SOLID	SW846 6010B		1242453	1242236
015	SOLID	SW846 6010B		1242453	1242236
016	SOLID	SW846 6010B		1242453	1242236
017	SOLID	SW846 6010B		1242453	1242236
018	SOLID	SW846 6010B		1242453	1242236
019	SOLID	SW846 6010B		1242453	1242236
020	SOLID	SW846 6010B		1242453	1242236
021	SOLID	SW846 6010B		1242455	1242237

(Continued on next page)

000047

QC DATA ASSOCIATION SUMMARY

E1H300297

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	SOLID	SW846 6010B		1242455	1242237
023	SOLID	SW846 6010B		1242455	1242237
024	SOLID	SW846 6010B		1242455	1242237
025	SOLID	SW846 6010B		1242455	1242237
026	SOLID	SW846 6010B		1242455	1242237
027	SOLID	SW846 6010B		1242455	1242237
028	SOLID	SW846 6010B		1242455	1242237
029	SOLID	SW846 6010B		1242455	1242237
030	SOLID	SW846 6010B		1242455	1242237
031	SOLID	SW846 6010B		1242455	1242237
032	SOLID	SW846 6010B		1242455	1242237
033	SOLID	SW846 6010B		1242455	1242237
034	SOLID	SW846 6010B		1242455	1242237

000048

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E1H300297

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
MB Lot-Sample #: E1H300000-453 Prep Batch #....: 1242453							
Arsenic	ND	1.0	mg/kg	SW846 6010B		08/30-08/31/01	EJVJJ1AA
		Dilution Factor:	1				
		Analysis Time...	12:37	Analyst ID.....	021088	Instrument ID...	M01

MB Lot-Sample #: E1H300000-455 **Prep Batch #....:** 1242455

Arsenic	ND	1.0	mg/kg	SW846 6010B	08/30-08/31/01	EJVJJQ1AA	
		Dilution Factor:	1				
		Analysis Time...	16:36	Analyst ID.....	021088	Instrument ID...	M01

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000049

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1H300297

Matrix.....: SOLID

<u>PARAMETER</u>	<u>SPIKE</u>	<u>MEASURED</u>	<u>PERCNT</u>	<u>PREPARATION-</u>	<u>WORK</u>
	<u>AMOUNT</u>	<u>AMOUNT</u>	<u>UNITS</u>	<u>RECVRY</u>	<u>ANALYSIS DATE</u>
LCS Lot-Sample#: E1H300000-453 Prep Batch #...: 1242453					
Arsenic	200	191	mg/kg	95	SW846 6010B 08/30-08/31/01 EJVJJ1AC
			Dilution Factor:	1	
			Analysis Time...:	12:43	Analyst ID.....: 021088 Instrument ID...: M01
LCS Lot-Sample#: E1H300000-455 Prep Batch #...: 1242455					
Arsenic	200	201	mg/kg	101	SW846 6010B 08/30-08/31/01 EJVJQ1AC
			Dilution Factor:	1	
			Analysis Time...:	16:43	Analyst ID.....: 021088 Instrument ID...: M01

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000050

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H300297

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	E1H300000-453	Prep Batch #....: 1242453			
Arsenic	95	(75 - 115)	SW846 6010B	08/30-08/31/01	EJVJJ1AC
		Dilution Factor: 1			
		Analysis Time...: 12:43		Analyst ID.....: 021088	Instrument ID...: M01
LCS Lot-Sample#:	E1H300000-455	Prep Batch #....: 1242455			
Arsenic	101	(75 - 115)	SW846 6010B	08/30-08/31/01	EJVJQ1AC
		Dilution Factor: 1			
		Analysis Time...: 16:43		Analyst ID.....: 021088	Instrument ID...: M01

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000051

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H300297

Matrix.....: SOLID

Date Sampled...: 08/30/01 12:00 Date Received...: 08/30/01 14:15

PARAMETER	SAMPLE SPIKE MEASURED			PERCNT			PREPARATION-		WORK	
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	ORDER #	
MS Lot-Sample #:	E1H300297-001			Prep Batch #....:	1242453					
Arsenic	.21.5	200	214	mg/kg	96		SW846 6010B	08/30-08/31/01	EJVGC1AC	
	21.5	200	215	mg/kg	97	0.48	SW846 6010B	08/30-08/31/01	EJVGC1AD	
	Dilution Factor: 1									
	Analysis Time...: 13:08				Instrument ID...: M01			Analyst ID.....: 021088		
	MS Run #.....: 1242236									

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000052

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H300297

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

SAMPLE PARAMETER	SPIKE AMOUNT	MEASURED AMT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
------------------	--------------	--------------	-------	---------------	-----	--------	----------------------------	--------------

MS Lot-Sample #: E1H300297-021 Prep Batch #...: 1242455

Arsenic

10	200	196	mg/kg	93		SW846 6010B	08/30-08/31/01	EJVHQ1AC
10	200	159 N	mg/kg	74	21	SW846 6010B	08/30-08/31/01	EJVHQ1AD

Dilution Factor: 1

Analysis Time...: 17:22 Instrument ID...: M01 Analyst ID.....: 021088

MS Run #.....: 1242237

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

000053

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H300297

Matrix.....: SOLID

Date Sampled...: 08/30/01 12:00 Date Received..: 08/30/01 14:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1H300297-001 Prep Batch #: 1242453							
Arsenic	96	(75 - 115)		SW846 6010B		08/30-08/31/01	EJVGC1AC
	97	(75 - 115) 0.48 (0-25)	0.48	SW846 6010B		08/30-08/31/01	EJVGC1AD
Dilution Factor: 1							
Analysis Time...: 13:08 Instrument ID...: M01 Analyst ID.....: 021088							
MS Run #.....: 1242236							

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000054

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1H300297

Matrix.....: SOLID

Date Sampled...: 08/29/01 17:00 Date Received...: 08/30/01 14:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1H300297-021 Prep Batch #: 1242455							
Arsenic	93	(75 - 115)		SW846 6010B		08/30-08/31/01 EJVHQ1AC	
	74 N	(75 - 115)	21	(0-25)	SW846 6010B	08/30-08/31/01 EJVHQ1AD	
Dilution Factor: 1							
Analysis Time...: 17:22				Instrument ID...: M01		Analyst ID.....: 021088	
MS Run #.....: 1242237							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

000055

**SEVERN
TRENT
SERVICES**

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

August 21, 2001

Tel: 714 258 8610
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STL LOT NUMBER: E1H170303
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

Scott Zachary
Haley & Aldrich Inc
9040 Friars Road
Suite 220
San Diego, CA 92108

Dear Mr. Zachary,

This report contains the analytical results for the 68 samples received under chain of custody by STL Los Angeles on August 17, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report. Please note that the samples for TO-14A were received in teflar bags. As per NELAC, teflar bags are not appropriate sample collection media for this test.

STL Los Angeles certifies that the tests performed at our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,



Diane Suzuki
Project Manager
CC: Project File

This report contains **000101** pages.

000001

STL Los Angeles is a part of Severn Trent Laboratories, Inc.



*Chain of
Custody Record*

Severn Trent Laboratories, Inc.

STL-4124 (0700)	Chain of Custody Number																																																																																																														
Client HALCY & AUDREICH	054135																																																																																																														
Address 9040 FIRMS RD Suite 220	Date 8/17/01																																																																																																														
City San Diego	State CA	Zip Code 92103	Project Manager SCOTT ZACHARY																																																																																																												
Telephone Number (Area Code)/Fax Number 619 - 230 - 9210			Telephone Number 61470303																																																																																																												
Project Name and Location (State) BOEING CL - TERRANCE, CA			Site Contact Lab Contact																																																																																																												
Contract/Purchase Order/Quote No. 27285-001			Carrier/Waybill Number																																																																																																												
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DISTRIBUTION: *WHITE* - Stays with the Sample; *CANARY* - Returned to Client with Report; *PINK* - Field Copy

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client Address	Project Manager			Date	Chain of Custody Number
				Lab Number	054136
City	State	Zip Code	Site Contact	Lab Contact	Page 2 of 6
Project Name and Location (State)			Carrier/Maybill Number		
Contract/Purchase Order/Quote No. 27285-001					
Sample I.D. No. and Description (Containers for each sample may be combined on one line)					
(Containers for each sample may be combined on one line)					
PD - 110 - 1'	8/17/01	13:00	X	X	
PD - 110 - 3'			X		
0000003					
PD - 111 - 1'					
PD - 111 - 3'					
PD - 113 - 1'					
PD - 113 - 3'					
PD - 114 - 1'					
PD - 114 - 3'					
PD - 130 - 1'					
PD - 130 - 3'					
PD - 115 - 1'					
PD - 115 - 3'					
Special Instructions/ Conditions of Receipt					
Analysis (Attach list if more space is needed)					
ARSENIC					
Containers & Preservatives					
Upticks	Soil	Sed.	Aqueous	Oil	NH4OH
H2SO4					ZnAcOH
NaOH					
HCl					
HNO3					
NaCl					
CaCO3					
AgNO3					
Sample Disposal					
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client
<input checked="" type="checkbox"/> Turn Around Time Required	QC Requirements (Specify)				
24 Hours	48 Hours	7 Days	14 Days	21 Days	<input type="checkbox"/> Other
1. Relinquished By TRANSIS HAMMOND Date 8/17/01 Time 14:40					
2. Relinquished By Date 8/17/01 Time 14:40					
3. Relinquished By Date 8/17/01 Time 14:40					
Comments					

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0002464

**Chain of
Custody Record**

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Project Name and Location (State)			Project Manager	Date	Chain of Custody Number
					054137
Address			Telephone Number (Area Code)/Fax Number	Lab Number	Page <u>3</u> of <u>6</u>
				E11170303	
Contract/Purchase Order/Quote No. <u>27285-001</u>					
(Containers for each sample may be combined on one line)					
Sample I.D. No. and Description	Date	Time	Matrix	Containers & Preservatives	
<u>PD - 117-1'</u>	<u>8/17/01</u>	<u>13:00</u>	<u>Aquous</u>	<u>Soil</u>	<u>NaOH</u>
<u>PD - 117-3'</u>					<u>ZnAc/ZnOAc</u>
<u>PD - 116-1'</u>					<u>HCl</u>
<u>PD - 116-3'</u>					<u>HNO3</u>
<u>PD - 131-1'</u>					<u>H2SO4</u>
<u>PD - 121-1'</u>					<u>Uptacs</u>
<u>PD - 121-3'</u>					<u>NaOH</u>
<u>PD - 134-1'</u>					<u>H2O</u>
<u>PD - 134-3'</u>					<u>Unknown</u>
<u>PD - 125-1'</u>					<u>Poison A</u>
<u>PD - 125-3'</u>					<u>Poison B</u>
Special Instructions/ Conditions of Receipt					
Analysis (Attach list if more space is needed)					
<u>ASSENIC</u>					
(A fee may be assessed if samples are retained longer than 3 months)					
Possible Hazard Identification		Sample Disposal		QC Requirements (Specify)	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months
Turn Around Time Required		<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Other		
1. Relinquished By <u>Texas Hanowd</u>		Date <u>8/17/01</u>	Time <u>14:40</u>	Date <u>8/17/01</u>	Time <u>14:40</u>
2. Relinquished By <u>Micheal Hunt</u>		Date	Time	Date	Time
3. Received By <u>Searct</u>		Date	Time	Date	Time
3. Relinquished By		Date	Time	Date	Time

DISTRIBUTION: WHITE - Slaves with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (07/00)

Client

Haley & Aldrich ~ SD

Address

City State Zip Code

Project Manager

Telephone Number (Area Code)/Fax Number

Site Contact

Date

Lab Contact

Chain of Custody Number

054138

Lab Number
G/H170303

Page 4 of 6

Contract/Purchase Order/Quote No.
27285-001

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

Date Time At
8/17/01 13:00
Abnqns
Soil
Sed.
Abnqns
X

PD - 126 - 1'

PD - 126 - 3'

PD - 132 - 1'

PD - 132 - 3'

PD - 118 - 1'

PD - 118 - 3'

PD - 119 - 1'

PD - 119 - 3'

PD - 120 - 1'

PD - 120 - 3'

PD - 122 - 1'

PD - 122 - 3'

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PD - 253 - 1'

PD - 253 - 3'

PD - 255 - 1'

PD - 255 - 3'

PD - 257 - 1'

PD - 257 - 3'

PD - 259 - 1'

PD - 259 - 3'

PD - 261 - 1'

PD - 261 - 3'

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (07/00)

Client **HALEY & ACHICH - SD**

Address Telephone Number (Area Code)/Fax Number

Chain of Custody Number
054139

of

6

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)	
Project Name and Location (State)			Carrier/Waybill Number			
Contract/Purchase Order/Quote No.			Matrix			
Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date	Time	Matrix	Containers & Preservatives
27285-001			8/17/01	13:00	X	K
PD-123-1'						
PD-123-3'						
PD-124-1'						
PD-124-3'						
PD-138-1'						
PD-138-2'						
PD-139-1'						
PD-139-3'						
PD-140-1'						
PD-140-3'						
PD-141-1'						
PD-141-3'						

Special Instructions/
Conditions of Receipt

Possible Hazard Identification

Non-Hazard

Flammable

Skin Irritant

Poison A

Unknown

Poison B

Other

Return To Client

Disposal By Lab

Archive For

QC Requirements (Specify)

1. Received By M. Johnson

2. Received By S. Sweet

3. Received By

Date 8-17-01

Time 14:40

Date 8-17-01

Time 16:00

Date

Time

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

**STL LOS ANGELES
PROJECT RECEIPT CHECKLIST**

Date: 8/17/01

Quantums Lot #: E1H170303
Client Name: Haley & Aldrich
Received by: per colts
Delivered by : Client Airborne Fed
 UPS DES Other

Quote #: 42295
Project: BRC C-1
Date/Time Received: 8/17/01 16:10
 DHL Ultra-Ex Rey B.

Custody Seal Status: <input type="checkbox"/> Intact <input type="checkbox"/> Broken <input checked="" type="checkbox"/> None				Initial / Date
Custody Seal #s: _____				<input checked="" type="checkbox"/> No Seal #
Sample Container(s): <input checked="" type="checkbox"/> STL-LA <input type="checkbox"/> Client <input type="checkbox"/> N/A				
Temperature(s) (COOLER/BLANK) in °C: _____				26.2 (CORRECTED TEMP) 26.4
Thermometer Used : <input checked="" type="checkbox"/> IR (Infra-red) <input type="checkbox"/> Digital (Probe)				
Samples:	<input checked="" type="checkbox"/> Intact	<input type="checkbox"/> Broken	<input type="checkbox"/> Other
Anomalies:	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes (See Cleuseau) <i>To (below)</i>		
Labeled by	<i>AR</i>			
Labeling checked by			
Turn Around Time:	<input checked="" type="checkbox"/> RUSH-24HR	<input type="checkbox"/> RUSH-48HR	<input type="checkbox"/> RUSH-72HR	<input type="checkbox"/> NORMAL
Short-Hold Notification:	<input type="checkbox"/> Ph	<input type="checkbox"/> Wet Chem	<input type="checkbox"/> Metals (Filter/Pres)	<input checked="" type="checkbox"/> Encore <input checked="" type="checkbox"/> N/A
Outside Analysis(es) (Test/Lab/Date Sent Out) :	<i>- none</i>			
<i>* The samples came directly from the field.</i>				

***** LEAVE NO BLANK SPACES : USE NVA *****

100 mL Clear Glass Jar CGF-Clear Glass Bottle AGA-Amber Glass Jar AGA-Amber Glass Bottle PB: Poly Bottle E-Bacon Sampler V-YOCA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: Received 10/10/02

REVIEWED BY/DATE:

FLS 08/17/0

000008

EXECUTIVE SUMMARY - Detection Highlights

E1H170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_107_1 08/17/01 13:00 001				
Arsenic	8.5	1.0	mg/kg	SW846 6010B
PD_107_3 08/17/01 13:00 002				
Arsenic	3.3	1.0	mg/kg	SW846 6010B
PD_108_1 08/17/01 13:00 003				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_108_3 08/17/01 13:00 004				
Arsenic	20.6	1.0	mg/kg	SW846 6010B
PD_109_1 08/17/01 13:00 005				
Arsenic	135	1.0	mg/kg	SW846 6010B
PD_109_3 08/17/01 13:00 006				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
PD_127_1 08/17/01 13:00 007				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
PD_127_3 08/17/01 13:00 008				
Arsenic	2.9	1.0	mg/kg	SW846 6010B
PD_129_1 08/17/01 13:00 009				
Arsenic	6.1	1.0	mg/kg	SW846 6010B
PD_129_3 08/17/01 13:00 010				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_112_1 08/17/01 13:00 011				
Arsenic	4.9	1.0	mg/kg	SW846 6010B

(Continued on next page)

000009

EXECUTIVE SUMMARY - Detection Highlights

E1H170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_112_3 08/17/01 13:00 012				
Arsenic	4.8	1.0	mg/kg	SW846 6010B
PD_110_1 08/17/01 13:00 013				
Arsenic	6.3	1.0	mg/kg	SW846 6010B
PD_110_3 08/17/01 13:00 014				
Arsenic	7.7	1.0	mg/kg	SW846 6010B
PD_111_1 08/17/01 13:00 015				
Arsenic	10.2	1.0	mg/kg	SW846 6010B
PD_111_3 08/17/01 13:00 016				
Arsenic	11.8	1.0	mg/kg	SW846 6010B
PD_113_1 08/17/01 13:00 017				
Arsenic	18.5	1.0	mg/kg	SW846 6010B
PD_113_3 08/17/01 13:00 018				
Arsenic	4.8	1.0	mg/kg	SW846 6010B
PD_114_1 08/17/01 13:00 019				
Arsenic	14.8	1.0	mg/kg	SW846 6010B
PD_114_3 08/17/01 13:00 020				
Arsenic	38.9	1.0	mg/kg	SW846 6010B
PD_130_1 08/17/01 13:00 021				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_130_3 08/17/01 13:00 022				
Arsenic	2.7	1.0	mg/kg	SW846 6010B

(Continued on next page)

000010

EXECUTIVE SUMMARY - Detection Highlights

E1H170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_115_1 08/17/01 13:00 023				
Arsenic	4.7	1.0	mg/kg	SW846 6010B
PD_115_3 08/17/01 13:00 024				
Arsenic	5.4	1.0	mg/kg	SW846 6010B
PD_117_1 08/17/01 13:00 025				
Arsenic	27.2	1.0	mg/kg	SW846 6010B
PD_117_3 08/17/01 13:00 026				
Arsenic	2.3	1.0	mg/kg	SW846 6010B
PD_116_1 08/17/01 13:00 027				
Arsenic	6.1	1.0	mg/kg	SW846 6010B
PD_116_3 08/17/01 13:00 028				
Arsenic	2.8	1.0	mg/kg	SW846 6010B
PD_131_1 08/17/01 13:00 029				
Arsenic	2.8	1.0	mg/kg	SW846 6010B
PD_131_3 08/17/01 13:00 030				
Arsenic	4.8	1.0	mg/kg	SW846 6010B
PD_121_1 08/17/01 13:00 031				
Arsenic	342	1.0	mg/kg	SW846 6010B
PD_121_3 08/17/01 13:00 032				
Arsenic	5.8	1.0	mg/kg	SW846 6010B
PD_134_1 08/17/01 13:00 033				
Arsenic	4.7	1.0	mg/kg	SW846 6010B

(Continued on next page)

000011

EXECUTIVE SUMMARY - Detection Highlights

E1H170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_134_3 08/17/01 13:00 034				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_125_1 08/17/01 13:00 035				
Arsenic	5.0	1.0	mg/kg	SW846 6010B
PD_125_3 08/17/01 13:00 036				
Arsenic	3.0	1.0	mg/kg	SW846 6010B
PD_126_1 08/17/01 13:00 037				
Arsenic	4.3	1.0	mg/kg	SW846 6010B
PD_126_3 08/17/01 13:00 038				
Arsenic	4.3	1.0	mg/kg	SW846 6010B
PD_132_1 08/17/01 13:00 039				
Arsenic	822	1.0	mg/kg	SW846 6010B
PD_132_3 08/17/01 13:00 040				
Arsenic	3.0	1.0	mg/kg	SW846 6010B
PD_118_1 08/17/01 13:00 041				
Arsenic	245	1.0	mg/kg	SW846 6010B
PD_118_3 08/17/01 13:00 042				
Arsenic	2.6	1.0	mg/kg	SW846 6010B
PD_119_1 08/17/01 13:00 043				
Arsenic	214	1.0	mg/kg	SW846 6010B
PD_119_3 08/17/01 13:00 044				
Arsenic	2.3	1.0	mg/kg	SW846 6010B

(Continued on next page)

000012

EXECUTIVE SUMMARY - Detection Highlights

E1H170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_120_1 08/17/01 13:00 045				
Arsenic	11.9	1.0	mg/kg	SW846 6010B
PD_120_3 08/17/01 13:00 046				
Arsenic	2.2	1.0	mg/kg	SW846 6010B
PD_122_1 08/17/01 13:00 047				
Arsenic	106	1.0	mg/kg	SW846 6010B
PD_122_3 08/17/01 13:00 048				
Arsenic	2.0	1.0	mg/kg	SW846 6010B
PD_123_1 08/17/01 13:00 049				
Arsenic	6.8	1.0	mg/kg	SW846 6010B
PD_123_3 08/17/01 13:00 050				
Arsenic	2.2	1.0	mg/kg	SW846 6010B
PD_124_1 08/17/01 13:00 051				
Arsenic	77.6	1.0	mg/kg	SW846 6010B
PD_124_3 08/17/01 13:00 052				
Arsenic	2.7	1.0	mg/kg	SW846 6010B
PD_138_1 08/17/01 13:00 053				
Arsenic	12.0	1.0	mg/kg	SW846 6010B
PD_138_3 08/17/01 13:00 054				
Arsenic	3.7	1.0	mg/kg	SW846 6010B
PD_139_1 08/17/01 13:00 055				
Arsenic	2.5	1.0	mg/kg	SW846 6010B

(Continued on next page)

000013

EXECUTIVE SUMMARY - Detection Highlights

ELH170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_139_3 08/17/01 13:00 056				
Arsenic	3.6	1.0	mg/kg	SW846 6010B
PD_140_1 08/17/01 13:00 057				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_140_3 08/17/01 13:00 058				
Arsenic	2.4	1.0	mg/kg	SW846 6010B
PD_141_1 08/17/01 13:00 059				
Arsenic	5.8	1.0	mg/kg	SW846 6010B
PD_141_3 08/17/01 13:00 060				
Arsenic	7.3	1.0	mg/kg	SW846 6010B
PD_142_1 08/17/01 13:00 061				
Arsenic	4.2	1.0	mg/kg	SW846 6010B
PD_142_3 08/17/01 13:00 062				
Arsenic	4.2	1.0	mg/kg	SW846 6010B
PD_135_1 08/17/01 13:00 063				
Arsenic	38.3	1.0	mg/kg	SW846 6010B
PD_135_3 08/17/01 13:00 064				
Arsenic	3.5	1.0	mg/kg	SW846 6010B
PD_136_1 08/17/01 13:00 065				
Arsenic	22.1	1.0	mg/kg	SW846 6010B
PD_136_3 08/17/01 13:00 066				
Arsenic	25.4	1.0	mg/kg	SW846 6010B

(Continued on next page)

000014

EXECUTIVE SUMMARY - Detection Highlights

E1H170303

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_137_1 08/17/01 13:00 067				
Arsenic	23.6	1.0	mg/kg	SW846 6010B
PD_137_3 08/17/01 13:00 068				
Arsenic	5.0	1.0	mg/kg	SW846 6010B

000015

METHODS SUMMARY

E1H170303

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000016

SAMPLE SUMMARY

E1H170303

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
EH741	001	PD_107_1	08/17/01	13:00
EH755	002	PD_107_3	08/17/01	13:00
EH756	003	PD_108_1	08/17/01	13:00
EH757	004	PD_108_3	08/17/01	13:00
EH758	005	PD_109_1	08/17/01	13:00
EH76A	006	PD_109_3	08/17/01	13:00
EH76C	007	PD_127_1	08/17/01	13:00
EH76E	008	PD_127_3	08/17/01	13:00
EH76F	009	PD_129_1	08/17/01	13:00
EH76H	010	PD_129_3	08/17/01	13:00
EH76K	011	PD_112_1	08/17/01	13:00
EH76L	012	PD_112_3	08/17/01	13:00
EH76N	013	PD_110_1	08/17/01	13:00
EH76P	014	PD_110_3	08/17/01	13:00
EH76Q	015	PD_111_1	08/17/01	13:00
EH76R	016	PD_111_3	08/17/01	13:00
EH76T	017	PD_113_1	08/17/01	13:00
EH76W	018	PD_113_3	08/17/01	13:00
EH76X	019	PD_114_1	08/17/01	13:00
EH760	020	PD_114_3	08/17/01	13:00
EH761	021	PD_130_1	08/17/01	13:00
EH762	022	PD_130_3	08/17/01	13:00
EH763	023	PD_115_1	08/17/01	13:00
EH764	024	PD_115_3	08/17/01	13:00
EH765	025	PD_117_1	08/17/01	13:00
EH766	026	PD_117_3	08/17/01	13:00
EH767	027	PD_116_1	08/17/01	13:00
EH768	028	PD_116_3	08/17/01	13:00
EH77A	029	PD_131_1	08/17/01	13:00
EH77C	030	PD_131_3	08/17/01	13:00
EH77D	031	PD_121_1	08/17/01	13:00
EH77E	032	PD_121_3	08/17/01	13:00
EH77G	033	PD_134_1	08/17/01	13:00
EH77H	034	PD_134_3	08/17/01	13:00
EH77K	035	PD_125_1	08/17/01	13:00
EH77L	036	PD_125_3	08/17/01	13:00

(Continued on next page)

000017

SAMPLE SUMMARY

E1H170303

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EH77M	037	PD_126_1	08/17/01	13:00
EH77N	038	PD_126_3	08/17/01	13:00
EH77P	039	PD_132_1	08/17/01	13:00
EH77Q	040	PD_132_3	08/17/01	13:00
EH77R	041	PD_118_1	08/17/01	13:00
EH77T	042	PD_118_3	08/17/01	13:00
EH77V	043	PD_119_1	08/17/01	13:00
EH77W	044	PD_119_3	08/17/01	13:00
EH77X	045	PD_120_1	08/17/01	13:00
EH77O	046	PD_120_3	08/17/01	13:00
EH77I	047	PD_122_1	08/17/01	13:00
EH772	048	PD_122_3	08/17/01	13:00
EH774	049	PD_123_1	08/17/01	13:00
EH775	050	PD_123_3	08/17/01	13:00
EH776	051	PD_124_1	08/17/01	13:00
EH778	052	PD_124_3	08/17/01	13:00
EH779	053	PD_138_1	08/17/01	13:00
EH78A	054	PD_138_3	08/17/01	13:00
EH78D	055	PD_139_1	08/17/01	13:00
EH78E	056	PD_139_3	08/17/01	13:00
EH78F	057	PD_140_1	08/17/01	13:00
EH78G	058	PD_140_3	08/17/01	13:00
EH78H	059	PD_141_1	08/17/01	13:00
EH78J	060	PD_141_3	08/17/01	13:00
EH78L	061	PD_142_1	08/17/01	13:00
EH78M	062	PD_142_3	08/17/01	13:00
EH78N	063	PD_135_1	08/17/01	13:00
EH78P	064	PD_135_3	08/17/01	13:00
EH78Q	065	PD_136_1	08/17/01	13:00
EH78R	066	PD_136_3	08/17/01	13:00
EH78T	067	PD_137_1	08/17/01	13:00
EH78X	068	PD_137_3	08/17/01	13:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000018

HALEY & ALDRICH INC

Client Sample ID: PD_107_1

TOTAL Metals

Lot-Sample #....: E1H170303-001 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229633								
Arsenic	8.5	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7411AA		
		Dilution Factor: 1		Analysis Time...: 15:42		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....: 0.40		

000019

HALEY & ALDRICH INC

Client Sample ID: PD_107_3

TOTAL Metals

Lot-Sample #....: E1H170303-002 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229633							
Arsenic	3.3	1.0	mg/kg	SW846 6010B			08/17-08/20/01	EH7551AA
		Dilution Factor:	1	Analysis Time...:	16:20	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....:	0.40	

000020

HALEY & ALDRICH INC

Client Sample ID: PD_108_1

TOTAL Metals

Lot-Sample #....: E1H170303-003 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229633								
Arsenic	4.5	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7561AA		
		Dilution Factor: 1		Analysis Time...: 16:43		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....: 0.40		

000021

HALEY & ALDRICH INC

Client Sample ID: PD_108_3

TOTAL Metals

Lot-Sample #....: E1H170303-004 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229633								
Arsenic	20.6	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH7571AA	
		Dilution Factor:	1	Analysis Time..:	16:51	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1229288	MDL.....:	0.40	

000022

HALEY & ALDRICH INC

Client Sample ID: PD_109_1

TOTAL Metals

Lot-Sample #....: E1H170303-005 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....:	1229633						
Arsenic	135	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH7581AA
		Dilution Factor: 1		Analysis Time...: 16:59		Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....: 0.40	

000023

HALEY & ALDRICH INC

Client Sample ID: PD_109_3

TOTAL Metals

Lot-Sample #....: E1H170303-006
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....: 1229633							
Arsenic	4.1	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH76A1AA	
		Dilution Factor: 1		Analysis Time...: 17:08	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1229288	MDL.....:	0.40	

000024

HALEY & ALDRICH INC

Client Sample ID: PD_127_1

TOTAL Metals

Lot-Sample #....: E1H170303-007
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>					
Prep Batch #....: 1229633									
Arsenic	4.1	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH76C1AA		
		Dilution Factor: 1		Analysis Time...: 17:16		Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....: 0.40			

000025

HALEY & ALDRICH INC

Client Sample ID: PD_127_3

TOTAL Metals

Lot-Sample #....: E1H170303-008 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229633								
Arsenic	2.9	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH76E1AA		
		Dilution Factor:	1	Analysis Time...: 17:33	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1229288	MDL.....:	0.40		

000026

HALEY & ALDRICH INC

Client Sample ID: PD_129_1

TOTAL Metals

Lot-Sample #....: E1H170303-009 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #....:	1229633					
Arsenic	6.1	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH76F1AA
		Dilution Factor:	1	Analysis Time...:	17:41	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....: 0.40

000027

HALEY & ALDRICH INC

Client Sample ID: PD_129_3

TOTAL Metals

Lot-Sample #....: E1H170303-010
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1229633									
Arsenic	4.5	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH76H1AA		
		Dilution Factor: 1		Analysis Time...: 17:50		Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....:	0.40		

000028

HALEY & ALDRICH INC

Client Sample ID: PD_112_1

TOTAL Metals

Lot-Sample #...: E1H170303-011 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #...:	1229633							
Arsenic	4.9	1.0	mg/kg	SW846 6010B			08/17-08/20/01	EH76K1AA
		Dilution Factor:	1	Analysis Time...:	17:58	Analyst ID....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....:	0.40	

000029

HALEY & ALDRICH INC

Client Sample ID: PD_112_3

TOTAL Metals

Lot-Sample #....: E1H170303-012

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1229633									
Arsenic	4.8	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH76L1AA		
		Dilution Factor: 1		Analysis Time...: 18:06		Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....: 0.40			

000030

HALEY & ALDRICH INC

Client Sample ID: PD_110_1

TOTAL Metals

Lot-Sample #....: E1H170303-013 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229633							
Arsenic	6.3	1.0	mg/kg	SW846 6010B			08/17-08/20/01	EH76N1AA
		Dilution Factor:	1	Analysis Time...:	18:29	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....:	0.40	

000031

HALEY & ALDRICH INC

Client Sample ID: PD_110_3

TOTAL Metals

Lot-Sample #....: E1H170303-014 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229633								
Arsenic	7.7	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH76P1AA		
		Dilution Factor:	1	Analysis Time..:	18:37	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1229288	MDL.....:	0.40	

000032

HALEY & ALDRICH INC

Client Sample ID: PD_111_1

TOTAL Metals

Lot-Sample #....: E1H170303-015 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- WORK		ORDER #
		LIMIT	UNITS		ANALYSIS DATE		
Prep Batch #....: 1229633							
Arsenic	10.2	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH76Q1AA	
		Dilution Factor: 1		Analysis Time...: 18:48		Analyst ID.....: 021088	
		Instrument ID...: M01		MS Run #.....: 1229288		MDL.....: 0.40	

000033

HALEY & ALDRICH INC

Client Sample ID: PD_111_3

TOTAL Metals

Lot-Sample #....: E1H170303-016

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>						
Prep Batch #....:	1229633								
Arsenic	11.8	1.0	mg/kg		SW846 6010B			08/17-08/20/01	EH76R1AA
		Dilution Factor:	1		Analysis Time...:	19:02		Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1229288		MDL.....:	0.40

000034

HALEY & ALDRICH INC

Client Sample ID: PD_113_1

TOTAL Metals

Lot-Sample #....: E1H170303-017 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....:	1229633					
Arsenic	18.5	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH76T1AA
		Dilution Factor:	1	Analysis Time...:	19:13	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....: 0.40

000035

HALEY & ALDRICH INC

Client Sample ID: PD_113_3

TOTAL Metals

Lot-Sample #....: E1H170303-018
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #: 1229633								
Arsenic	4.8	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH76W1AA	
		Dilution Factor:	1	Analysis Time...:	19:23	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....:	0.40	

000036

HALEY & ALDRICH INC

Client Sample ID: PD_114_1

TOTAL Metals

Lot-Sample #....: E1H170303-019
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1229633								
Arsenic	14.8	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH76X1AA		
		Dilution Factor:	1	Analysis Time...	19:34	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....:	1229288	MDL.....:	0.40		

000037

HALEY & ALDRICH INC

Client Sample ID: PD_114_3

TOTAL Metals

Lot-Sample #....: E1H170303-020

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Prep Batch #....: 1229633						
Arsenic	38.9	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7601AA
		Dilution Factor: 1		Analysis Time...: 19:44	Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1229288	MDL.....:	0.40

000038

HALEY & ALDRICH INC

Client Sample ID: PD_130_1

TOTAL Metals

Lot-Sample #...: E1H170303-021
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #: 1229634								
Arsenic	4.5	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7611AA		
		Dilution Factor:	1	Analysis Time...:	20:23	Analyst ID....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229289	MDL.....:	0.40	

000039

HALEY & ALDRICH INC

Client Sample ID: PD_130_3

TOTAL Metals

Lot-Sample #....: E1H170303-022 Matrix.....: SOLID
Date Sampled....: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
Prep Batch #....:	1229634						
Arsenic	2.7	1.0	mg/kg	SW846 6010B		08/17-08/20/01 EH7621AA	
		Dilution Factor: 1		Analysis Time...: 21:01		Analyst ID.....: 021088	
		Instrument ID...: M01		MS Run #.....: 1229289		MDL.....: 0.40	

000040

HALEY & ALDRICH INC

Client Sample ID: PD_115_1

TOTAL Metals

Lot-Sample #....: E1H170303-023
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229634							
Arsenic	4.7	1.0	mg/kg	SW846 6010B		08/17-08/20/01	EH7631AA	
		Dilution Factor: 1		Analysis Time...: 21:09		Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1229289		MDL.....:	0.40	

000041

HALEY & ALDRICH INC

Client Sample ID: PD_115_3

TOTAL Metals

Lot-Sample #....: E1H170303-024

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....: 1229634						
Arsenic	5.4	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7641AA
		Dilution Factor: 1		Analysis Time...: 21:18	Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....:	0.40

000042

HALEY & ALDRICH INC

Client Sample ID: PD_117_1

TOTAL Metals

Lot-Sample #....: E1H170303-025 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>			
Prep Batch #....:	1229634					
Arsenic	27.2	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7651AA
		Dilution Factor:	1	Analysis Time...:	21:26	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1229289	MDL.....: 0.40

000043

HALEY & ALDRICH INC

Client Sample ID: PD_117_3

TOTAL Metals

Lot-Sample #....: E1H170303-026 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....: 1229634							
Arsenic	2.3	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7661AA	
		Dilution Factor: 1		Analysis Time...: 21:34	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....:	0.40	

000044

HALEY & ALDRICH INC

Client Sample ID: PD 116 1

TOTAL Metals

Lot-Sample #....: E1H170303-027 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
					<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 1229634						
Arsenic	6.1	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7671AA
		Dilution Factor: 1		Analysis Time...: 21:43	Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....:	0.40

000045

HALEY & ALDRICH INC

Client Sample ID: PD_116_3

TOTAL Metals

Lot-Sample #....: E1H170303-028

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #....:	1229634					
Arsenic	2.8	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH7681AA
		Dilution Factor:	1	Analysis Time...:	22:06	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1229289	MDL.....: 0.40

000046

HALEY & ALDRICH INC

Client Sample ID: PD_131_1

TOTAL Metals

Lot-Sample #....: E1H170303-029

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229634								
Arsenic	2.8	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH77A1AA		
		Dilution Factor: 1		Analysis Time...: 22:14	Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....:	0.40		

000047

HALEY & ALDRICH INC

Client Sample ID: PD_131_3

TOTAL Metals

Lot-Sample #....: E1H170303-030
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 1229634						
Arsenic	4.8	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH77C1AA
		Dilution Factor:	1	Analysis Time...:	22:22	Analyst ID.....: 021088
		Instrument ID..:	M01	MS Run #.....:	1229289	MDL.....: 0.40

000048

HALEY & ALDRICH INC

Client Sample ID: PD_121_1

TOTAL Metals

Lot-Sample #....: E1H170303-031 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229634								
Arsenic	342	1.0	mg/kg	SW846 6010B	08/17-08/20/01 EH77D1AA			
		Dilution Factor: 1		Analysis Time...: 22:31	Analyst ID.....: 021088			
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....: 0.40			

000049

HALEY & ALDRICH INC

Client Sample ID: PD_121_3

TOTAL Metals

Lot-Sample #....: E1H170303-032
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #: 1229634								
Arsenic	5.8	1.0	mg/kg	SW846 6010B	08/17-08/20/01 EH77E1AA			
		Dilution Factor:	1	Analysis Time...: 22:39	Analyst ID....: 021088			
		Instrument ID...:	M01	MS Run #.....: 1229289	MDL.....: 0.40			

000050

HALEY & ALDRICH INC

Client Sample ID: PD_134_1

TOTAL Metals

Lot-Sample #....: E1H170303-033
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229634								
Arsenic	4.7	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH77G1AA		
		Dilution Factor:	1	Analysis Time...:	22:47	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229289	MDL.....:	0.40	

000051

HALEY & ALDRICH INC

Client Sample ID: PD_134_3

TOTAL Metals

Lot-Sample #....: E1H170303-034 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	1229634						
Arsenic	3.2	1.0	mg/kg	SW846 6010B		08/17-08/20/01 EH77H1AA	
		Dilution Factor:	1	Analysis Time..:	22:56	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1229289	MDL.....:	0.40

000052

HALEY & ALDRICH INC

Client Sample ID: PD_125_1

TOTAL Metals

Lot-Sample #....: E1H170303-035 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>		
Prep Batch #....: 1229634							
Arsenic	5.0	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH77K1AA	
		Dilution Factor:	1	Analysis Time...:	23:04	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1229289	MDL.....:	0.40

000053

HALEY & ALDRICH INC

Client Sample ID: PD_125_3

TOTAL Metals

Lot-Sample #....: E1H170303-036
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #: 1229634								
Arsenic	3.0	1.0	mg/kg	SW846 6010B	08/17-08/20/01 EH77L1AA			
		Dilution Factor: 1		Analysis Time...: 23:14	Analyst ID....: 021088			
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....: 0.40			

000054

HALEY & ALDRICH INC

Client Sample ID: PD_126_1

TOTAL Metals

Lot-Sample #....: E1H170303-037 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>			
Prep Batch #....: 1229634						
Arsenic	4.3	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH77M1AA
		Dilution Factor: 1		Analysis Time...: 23:23	Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1229289	MDL.....:	0.40

000055

HALEY & ALDRICH INC

Client Sample ID: PD_126_3

TOTAL Metals

Lot-Sample #....: E1H170303-038 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....: 1229634						
Arsenic	4.3	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH77N1AA
		Dilution Factor:	1	Analysis Time...:	23:45	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1229289	MDL.....: 0.40

000056

HALEY & ALDRICH INC

Client Sample ID: PD_132_1

TOTAL Metals

Lot-Sample #....: E1H170303-039
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>PREPARATION-</u>			
Prep Batch #....:	1229634						
Arsenic	822	1.0	mg/kg	SW846 6010B		08/17-08/20/01 EH77P1AA	
		Dilution Factor: 1		Analysis Time...: 23:54		Analyst ID.....: 021088	
		Instrument ID...: M01		MS Run #.....: 1229289		MDL.....: 0.40	

000057

HALEY & ALDRICH INC

Client Sample ID: PD_132_3

TOTAL Metals

Lot-Sample #....: E1H170303-040
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 1229634						
Arsenic	3.0	1.0	mg/kg	SW846 6010B	08/17-08/21/01	EH77Q1AA
		Dilution Factor:	1	Analysis Time...: 00:02	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....: 1229289	MDL.....:	0.40

000058

HALEY & ALDRICH INC

Client Sample ID: PD_118_1

TOTAL Metals

Lot-Sample #....: E1H170303-041

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....:	1229635						
Arsenic	245	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH77R1AA	
		Dilution Factor: 1		Analysis Time...: 02:40		Analyst ID.....: 021088	
		Instrument ID...: M01		MS Run #.....: 1229290		MDL.....: 0.40	

000059

HALEY & ALDRICH INC

Client Sample ID: PD_118_3

TOTAL Metals

Lot-Sample #....: E1H170303-042 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	2.6	1.0	mg/kg	SW846 6010B			08/20-08/21/01	EH77T1AA
		Dilution Factor:	1	Analysis Time..:	03:16	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1229290	MDL.....:	0.40	

000060

HALEY & ALDRICH INC

Client Sample ID: PD_119_1

TOTAL Metals

Lot-Sample #....: E1H170303-043 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....:	1229635						
Arsenic	214	1.0	mg/kg	SW846 6010B	08/20-08/21/01	ER77V1AA	
		Dilution Factor: 1		Analysis Time..: 03:24		Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 1229290		MDL.....: 0.40	

000061

HALEY & ALDRICH INC

Client Sample ID: PD_119_3

TOTAL Metals

Lot-Sample #....: E1H170303-044
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229635								
Arsenic	2.3	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH77W1AA		
		Dilution Factor: 1		Analysis Time...: 03:33		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1229290		MDL.....: 0.40		

000062

HALEY & ALDRICH INC

Client Sample ID: PD_120_1

TOTAL Metals

Lot-Sample #....: E1H170303-045 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	11.9	1.0	mg/kg	SW846 6010B		08/20-08/21/01	EH77X1AA	
		Dilution Factor:	1	Analysis Time..:	03:41	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1229290	MDL.....:	0.40	

000063

HALEY & ALDRICH INC

Client Sample ID: PD_120_3

TOTAL Metals

Lot-Sample #....: E1H170303-046

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	2.2	1.0	mg/kg	SW846 6010B			08/20-08/21/01	EH7701AA
		Dilution Factor: 1		Analysis Time...: 04:04		Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1229290		MDL.....:	0.40	

000064

HALEY & ALDRICH INC

Client Sample ID: PD_122_1

TOTAL Metals

Lot-Sample #....: E1H170303-047 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Prep Batch #....: 1229635							
Arsenic	106	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH7711AA	
		Dilution Factor: 1		Analysis Time...: 04:12	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1229290	MDL.....:	0.40	

000065

HALEY & ALDRICH INC

Client Sample ID: PD_122_3

TOTAL Metals

Lot-Sample #....: E1H170303-048

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	2.0	1.0	mg/kg	SW846 6010B			08/20-08/21/01 EH7721AA	
		Dilution Factor: 1			Analysis Time...: 04:20			Analyst ID.....: 021088
		Instrument ID...: M01			MS Run #.....: 1229290			MDL.....: 0.40

000066

HALEY & ALDRICH INC

Client Sample ID: PD_123_1

TOTAL Metals

Lot-Sample #....: E1H170303-049 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	6.8	1.0	mg/kg	SW846 6010B			08/20-08/21/01	EH7741AA
		Dilution Factor:	1	Analysis Time...:	04:29	Analyst ID....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229290	MDL.....:	0.40	

000067

HALEY & ALDRICH INC

Client Sample ID: PD_123_3

TOTAL Metals

Lot-Sample #....: E1H170303-050 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1229635									
Arsenic	2.2	1.0	mg/kg		SW846 6010B		08/20-08/21/01 EH7751AA		
		Dilution Factor: 1			Analysis Time...: 04:37		Analyst ID.....: 021088		
		Instrument ID...: M01			MS Run #.....: 1229290		MDL.....: 0.40		

000068

HALEY & ALDRICH INC

Client Sample ID: PD_124_1

TOTAL Metals

Lot-Sample #....: E1H170303-051 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Prep Batch #....:	1229635						
Arsenic	77.6	1.0	mg/kg	SW846 6010B		08/20-08/21/01 EH7761AA	
		Dilution Factor:	1	Analysis Time...:	04:46	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1229290	MDL.....:	0.40

000069

HALEY & ALDRICH INC

Client Sample ID: PD_124_3

TOTAL Metals

Lot-Sample #....: E1H170303-052 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	PREPARATION- WORK		<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>WORK</u>	
Prep Batch #....:	1229635						
Arsenic	2.7	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH7781AA	
		Dilution Factor: 1		Analysis Time...: 04:54	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1229290	MDL.....:	0.40	

000070

HALEY & ALDRICH INC

Client Sample ID: PD_138_1

TOTAL Metals

Lot-Sample #....: E1H170303-053 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	1229635						
Arsenic	12.0	1.0	mg/kg	SW846 6010B		08/20-08/21/01 EH7791AA	
		Dilution Factor:	1	Analysis Time..:	05:02	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1229290	MDL.....:	0.40

000071

HALEY & ALDRICH INC

Client Sample ID: PD_138_3

TOTAL Metals

Lot-Sample #....: E1H170303-054 **Matrix.....: SOLID**
Date Sampled...: 08/17/01 13:00 **Date Received...: 08/17/01 16:10**

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #:....: 1229635								
Arsenic	3.7	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH78A1AA		
Dilution Factor: 1 Analysis Time...: 05:11 Analyst ID.....: 021088								
Instrument ID...: M01 MS Run #.....: 1229290 MDL.....: 0.40								

000072

HALEY & ALDRICH INC

Client Sample ID: PD_139_1

TOTAL Metals

Lot-Sample #....: E1H170303-055 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....:	1229635					
Arsenic	2.5	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH78D1AA
		Dilution Factor:	1	Analysis Time...:	05:19	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1229290	MDL.....: 0.40

000073

HALEY & ALDRICH INC

Client Sample ID: PD_139_3

TOTAL Metals

Lot-Sample #....: E1H170303-056 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING	LIMIT	UNITS	METHOD	PREPARATION-	WORK	ORDER #
							ANALYSIS DATE	
Prep Batch #....:	1229635							
Arsenic	3.6	1.0		mg/kg	SW846 6010B	08/20-08/21/01	EH78E1AA	
		Dilution Factor:	1		Analysis Time...:	05:42	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1229290	MDL.....:	0.40

000074

HALEY & ALDRICH INC

Client Sample ID: PD_140_1

TOTAL Metals

Lot-Sample #....: E1H170303-057 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	3.2	1.0	mg/kg	SW846 6010B			08/20-08/21/01	EH78F1AA
		Dilution Factor:	1	Analysis Time...:	05:50	Analyst ID....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229290	MDL.....:	0.40	

000075

HALEY & ALDRICH INC

Client Sample ID: PD_140_3

TOTAL Metals

Lot-Sample #....: E1H170303-058 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	1229635						
Arsenic	2.4	1.0	mg/kg	SW846 6010B		08/20-08/21/01 EH78G1AA	
		Dilution Factor:	1	Analysis Time...:	05:59	Analyst ID....:	021088
		Instrument ID...:	M01	MS Run #.....:	1229290	MDL.....:	0.40

000076

HALEY & ALDRICH INC

Client Sample ID: PD_141_1

TOTAL Metals

Lot-Sample #....: E1H170303-059 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	5.8	1.0	mg/kg	SW846 6010B			08/20-08/21/01	EH78H1AA
		Dilution Factor:	1		Analysis Time..:	06:07		Analyst ID.....: 021088
		Instrument ID..:	M01		MS Run #.....:	1229290		MDL.....: 0.40

000077

HALEY & ALDRICH INC

Client Sample ID: PD_141_3

TOTAL Metals

Lot-Sample #....: E1H170303-060 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229635							
Arsenic	7.3	1.0	mg/kg	SW846 6010B			08/20-08/21/01 EH78J1AA	
		Dilution Factor:	1	Analysis Time...:	06:15	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229290	MDL.....:	0.40	

000078

HALEY & ALDRICH INC

Client Sample ID: PD_142_1

TOTAL Metals

Lot-Sample #....: E1H170303-061 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229636							
Arsenic	4.2	1.0	mg/kg	SW846 6010B			08/17-08/21/01	EH78L1AA
		Dilution Factor: 1		Analysis Time..: 00:25		Analyst ID.....:	021088	
		Instrument ID..: M01		MS Run #.....: 1229291		MDL.....: 0.40		

000079

HALEY & ALDRICH INC

Client Sample ID: PD_142_3

TOTAL Metals

Lot-Sample #....: E1H170303-062 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1229636								
Arsenic	4.2	1.0	mg/kg	SW846 6010B	08/17-08/21/01	EH78M1AA		
		Dilution Factor:	1	Analysis Time...: 00:58	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1229291	MDL.....:	0.40		

000080

HALEY & ALDRICH INC

Client Sample ID: PD_135_1

TOTAL Metals

Lot-Sample #....: E1H170303-063 Matrix.....: SOLID
Date Sampled....: 08/17/01 13:00 Date Received...: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>WORK</u>	
Prep Batch #....:	1229636						
Arsenic	38.3	1.0	mg/kg	SW846 6010B	08/17-08/21/01	EH78N1AA	
		Dilution Factor: 1			Analysis Time...: 01:21	Analyst ID.....: 021088	
		Instrument ID...: M01			MS Run #.....: 1229291	MDL.....: 0.40	

000081

HALEY & ALDRICH INC

Client Sample ID: PD_135_3

TOTAL Metals

Lot-Sample #....: E1H170303-064 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229636							
Arsenic	3.5	1.0	mg/kg	SW846 6010B			08/17-08/21/01	EH78P1AA
		Dilution Factor:	1	Analysis Time...:	01:30	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229291	MDL.....:	0.40	

000082

HALEY & ALDRICH INC

Client Sample ID: PD_136_1

TOTAL Metals

Lot-Sample #....: E1H170303-065 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229636							
Arsenic	22.1	1.0	mg/kg	SW846 6010B			08/17-08/21/01	EH78Q1AA
		Dilution Factor:	1	Analysis Time...:	01:38	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1229291	MDL.....:	0.40	

000083

HALEY & ALDRICH INC

Client Sample ID: PD_136_3

TOTAL Metals

Lot-Sample #....: E1H170303-066 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received.: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229636							
Arsenic	25.4	1.0	mg/kg	SW846 6010B			08/17-08/21/01	EH78R1AA
		Dilution Factor:	1		Analysis Time...:	01:46		Analyst ID.....: 021088
		Instrument ID...:	M01		MS Run #.....:	1229291		MDL.....: 0.40

000084

HALEY & ALDRICH INC

Client Sample ID: PD_137_1

TOTAL Metals

Lot-Sample #....: E1H170303-067 Matrix.....: SOLID
Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 1229636						
Arsenic	23.6	1.0	mg/kg	SW846 6010B	08/17-08/21/01	EH78T1AA
		Dilution Factor: 1		Analysis Time...: 01:55	Analyst ID.....: 021088	
		Instrument ID...: M01		MS Run #.....: 1229291	MDL.....: 0.40	

000085

HALEY & ALDRICH INC

Client Sample ID: PD_137_3

TOTAL Metals

Lot-Sample #....: E1H170303-068

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1229636							
Arsenic	5.0	1.0	mg/kg	SW846 6010B			08/17-08/21/01	EH78X1AA
		Dilution Factor:	1		Analysis Time...:	02:03	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1229291	MDL.....:	0.40

000086

QC DATA ASSOCIATION SUMMARY

E1H170303

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 6010B		1229633	1229288
002	SOLID	SW846 6010B		1229633	1229288
003	SOLID	SW846 6010B		1229633	1229288
004	SOLID	SW846 6010B		1229633	1229288
005	SOLID	SW846 6010B		1229633	1229288
006	SOLID	SW846 6010B		1229633	1229288
007	SOLID	SW846 6010B		1229633	1229288
008	SOLID	SW846 6010B		1229633	1229288
009	SOLID	SW846 6010B		1229633	1229288
010	SOLID	SW846 6010B		1229633	1229288
011	SOLID	SW846 6010B		1229633	1229288
012	SOLID	SW846 6010B		1229633	1229288
013	SOLID	SW846 6010B		1229633	1229288
014	SOLID	SW846 6010B		1229633	1229288
015	SOLID	SW846 6010B		1229633	1229288
016	SOLID	SW846 6010B		1229633	1229288
017	SOLID	SW846 6010B		1229633	1229288
018	SOLID	SW846 6010B		1229633	1229288
019	SOLID	SW846 6010B		1229633	1229288
020	SOLID	SW846 6010B		1229633	1229288
021	SOLID	SW846 6010B		1229634	1229289

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000087

QC DATA ASSOCIATION SUMMARY

E1H170303

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	SOLID	SW846 6010B		1229634	1229289
023	SOLID	SW846 6010B		1229634	1229289
024	SOLID	SW846 6010B		1229634	1229289
025	SOLID	SW846 6010B		1229634	1229289
026	SOLID	SW846 6010B		1229634	1229289
027	SOLID	SW846 6010B		1229634	1229289
028	SOLID	SW846 6010B		1229634	1229289
029	SOLID	SW846 6010B		1229634	1229289
030	SOLID	SW846 6010B		1229634	1229289
031	SOLID	SW846 6010B		1229634	1229289
032	SOLID	SW846 6010B		1229634	1229289
033	SOLID	SW846 6010B		1229634	1229289
034	SOLID	SW846 6010B		1229634	1229289
035	SOLID	SW846 6010B		1229634	1229289
036	SOLID	SW846 6010B		1229634	1229289
037	SOLID	SW846 6010B		1229634	1229289
038	SOLID	SW846 6010B		1229634	1229289
039	SOLID	SW846 6010B		1229634	1229289
040	SOLID	SW846 6010B		1229634	1229289
041	SOLID	SW846 6010B		1229635	1229290
042	SOLID	SW846 6010B		1229635	1229290

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000088

QC DATA ASSOCIATION SUMMARY

E1H170303

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
043	SOLID	SW846 6010B		1229635	1229290
044	SOLID	SW846 6010B		1229635	1229290
045	SOLID	SW846 6010B		1229635	1229290
046	SOLID	SW846 6010B		1229635	1229290
047	SOLID	SW846 6010B		1229635	1229290
048	SOLID	SW846 6010B		1229635	1229290
049	SOLID	SW846 6010B		1229635	1229290
050	SOLID	SW846 6010B		1229635	1229290
051	SOLID	SW846 6010B		1229635	1229290
052	SOLID	SW846 6010B		1229635	1229290
053	SOLID	SW846 6010B		1229635	1229290
054	SOLID	SW846 6010B		1229635	1229290
055	SOLID	SW846 6010B		1229635	1229290
056	SOLID	SW846 6010B		1229635	1229290
057	SOLID	SW846 6010B		1229635	1229290
058	SOLID	SW846 6010B		1229635	1229290
059	SOLID	SW846 6010B		1229635	1229290
060	SOLID	SW846 6010B		1229635	1229290
061	SOLID	SW846 6010B		1229636	1229291
062	SOLID	SW846 6010B		1229636	1229291
063	SOLID	SW846 6010B		1229636	1229291

(Continued on next page)

000089

QC DATA ASSOCIATION SUMMARY

ELH170303

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
064	SOLID	SW846 6010B		1229636	1229291
065	SOLID	SW846 6010B		1229636	1229291
066	SOLID	SW846 6010B		1229636	1229291
067	SOLID	SW846 6010B		1229636	1229291
068	SOLID	SW846 6010B		1229636	1229291

000090

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E1H170303				Matrix.....: SOLID		
PARAMETER	RESULT	REPORTING	UNITS	METHOD	PREPARATION-	WORK
		LIMIT			ANALYSIS DATE	ORDER #
MB Lot-Sample #: E1H170000-633 Prep Batch #....: 1229633						
Arsenic	ND	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH79G1AA
		Dilution Factor:	1			
		Analysis Time...	15:28	Analyst ID.....:	021088	Instrument ID...: M01
MB Lot-Sample #: E1H170000-634 Prep Batch #....: 1229634						
Arsenic	ND	1.0	mg/kg	SW846 6010B	08/17-08/20/01	EH79K1AA
		Dilution Factor:	1			
		Analysis Time...	19:54	Analyst ID.....:	021088	Instrument ID...: M01
MB Lot-Sample #: E1H170000-635 Prep Batch #....: 1229635						
Arsenic	ND	1.0	mg/kg	SW846 6010B	08/20-08/21/01	EH79M1AA
		Dilution Factor:	1			
		Analysis Time...	02:26	Analyst ID.....:	021088	Instrument ID...: M01
MB Lot-Sample #: E1H170000-636 Prep Batch #....: 1229636						
Arsenic	ND	1.0	mg/kg	SW846 6010B	08/17-08/21/01	EH79Q1AA
		Dilution Factor:	1			
		Analysis Time...	00:10	Analyst ID.....:	021088	Instrument ID...: M01

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000091

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	PREPARATION- METHOD	WORK ANALYSIS DATE	ORDER #
LCS Lot-Sample#: E1H170000-633 Prep Batch #....: 1229633							
Arsenic	200	185	mg/kg	93	SW846 6010B	08/17-08/20/01	EH79G1AC
Dilution Factor: 1							
Analysis Time...: 15:34 Analyst ID.....: 021088 Instrument ID...: M01							
LCS Lot-Sample#: E1H170000-634 Prep Batch #....: 1229634							
Arsenic	200	179	mg/kg	89	SW846 6010B	08/17-08/20/01	EH79K1AC
Dilution Factor: 1							
Analysis Time...: 20:01 Analyst ID.....: 021088 Instrument ID...: M01							
LCS Lot-Sample#: E1H170000-635 Prep Batch #....: 1229635							
Arsenic	200	183	mg/kg	92	SW846 6010B	08/20-08/21/01	EH79M1AC
Dilution Factor: 1							
Analysis Time...: 02:32 Analyst ID.....: 021088 Instrument ID...: M01							
LCS Lot-Sample#: E1H170000-636 Prep Batch #....: 1229636							
Arsenic	200	195	mg/kg	98	SW846 6010B	08/17-08/21/01	EH79Q1AC
Dilution Factor: 1							
Analysis Time...: 00:17 Analyst ID.....: 021088 Instrument ID...: M01							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000092

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	E1H170000-633	Prep Batch #....: 1229633				
Arsenic	93	(75 - 115)	SW846 6010B		08/17-08/20/01	EH79G1AC
		Dilution Factor: 1				
		Analysis Time...: 15:34		Analyst ID.....: 021088		Instrument ID...: M01
LCS Lot-Sample#:	E1H170000-634	Prep Batch #....: 1229634				
Arsenic	89	(75 - 115)	SW846 6010B		08/17-08/20/01	EH79K1AC
		Dilution Factor: 1				
		Analysis Time...: 20:01		Analyst ID.....: 021088		Instrument ID...: M01
LCS Lot-Sample#:	E1H170000-635	Prep Batch #....: 1229635				
Arsenic	92	(75 - 115)	SW846 6010B		08/20-08/21/01	EH79M1AC
		Dilution Factor: 1				
		Analysis Time...: 02:32		Analyst ID.....: 021088		Instrument ID...: M01
LCS Lot-Sample#:	E1H170000-636	Prep Batch #....: 1229636				
Arsenic	98	(75 - 115)	SW846 6010B		08/17-08/21/01	EH79Q1AC
		Dilution Factor: 1				
		Analysis Time...: 00:17		Analyst ID.....: 021088		Instrument ID...: M01

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000093

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

SAMPLE PARAMETER	SPIKE AMOUNT	MEASURED AMT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
------------------	--------------	--------------	-------	---------------	-----	--------	----------------------------	--------------

MS Lot-Sample #: E1H170303-001 Prep Batch #...: 1229633

Arsenic

8.5	200	192	mg/kg	92	SW846	6010B	08/17-08/20/01	EH7411AC	
8.5	200	195	mg/kg	93	1.4	SW846	6010B	08/17-08/20/01	EH7411AD

Dilution Factor: 1

Analysis Time...: 15:59 Instrument ID...: M01 Analyst ID.....: 021088

MS Run #.....: 1229288

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000094

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	SAMPLE	SPIKE	MEASURED	PERCNT			PREPARATION-		WORK	ORDER #
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS	DATE	
MS Lot-Sample #:	E1H170303-021 Prep Batch #....: 1229634									
Arsenic	4.5	200	182	mg/kg	89		SW846	6010B	08/17-08/20/01	EH7611AC
	4.5	200	195	mg/kg	95	7.2	SW846	6010B	08/17-08/20/01	EH7611AD
	Dilution Factor: 1									
	Analysis Time...: 20:40 Instrument ID...: M01									Analyst ID.....: 021088
	MS Run #.....: 1229289									

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000095

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	SAMPLE	SPIKE	MEASURED	PERCNT			PREPARATION-	WORK	ORDER #		
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE			
MS Lot-Sample #: E1H170303-041 Prep Batch #....: 1229635											
Arsenic											
245	200	421	mg/kg	88	SW846	6010B	08/20-08/21/01	EH77R1AC			
245	200	515 N	mg/kg	135	20	SW846	6010B	08/20-08/21/01	EH77R1AD		
Dilution Factor: 1											
Analysis Time...: 02:57 Instrument ID...: M01 Analyst ID.....: 021088											
MS Run #.....: 1229290											

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

000096

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

SAMPLE PARAMETER	SPIKE AMOUNT	MEASURED AMT	UNITS	PERCNT RECVRY	PREPARATION- ANALYSIS DATE	WORK ORDER #
------------------	--------------	--------------	-------	---------------	----------------------------	--------------

MS Lot-Sample #: E1H170303-061 Prep Batch #....: 1229636

Arsenic

4.2	200	202	mg/kg	99	SW846	6010B	08/17-08/21/01	EH78L1AC	
4.2	200	202	mg/kg	99	0.10	SW846	6010B	08/17-08/21/01	EH78L1AD

Dilution Factor: 1

Analysis Time...: 00:40 Instrument ID...: M01 Analyst ID.....: 021088

MS Run #.....: 1229291

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000097

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK	ORDER #
	RECOVERY	LIMITS	RPD		LIMITS	ANALYSIS DATE	
MS Lot-Sample #: E1H170303-001 Prep Batch #....: 1229633							
Arsenic	92	(75 - 115)		SW846 6010B		08/17-08/20/01 EH7411AC	
	93	(75 - 115)	1.4 (0-25)	SW846 6010B		08/17-08/20/01 EH7411AD	
		Dilution Factor:	1				
		Analysis Time...:	15:59	Instrument ID...: M01		Analyst ID.....: 021088	
		MS Run #.....:	1229288				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000098

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received..: 08/17/01 16:10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1H170303-021 Prep Batch #....: 1229634							
Arsenic	89	(75 - 115)		SW846 6010B		08/17-08/20/01 EH7611AC	
	95	(75 - 115)	7.2	(0-25)	SW846 6010B	08/17-08/20/01 EH7611AD	
Dilution Factor: 1							
Analysis Time...: 20:40				Instrument ID...: M01		Analyst ID.....: 021088	
MS Run #.....: 1229289							

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000099

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK	ORDER #
	RECOVERY	LIMITS	RPD		ANALYSIS DATE		
MS Lot-Sample #: E1H170303-041 Prep Batch #....: 1229635							
Arsenic	88	(75 - 115)		SW846 6010B	08/20-08/21/01	EH77R1AC	
	135 N	(75 - 115)	20 (0-25)	SW846 6010B	08/20-08/21/01	EH77R1AD	
		Dilution Factor:	1				
		Analysis Time...:	02:57	Instrument ID...: M01		Analyst ID.....: 021088	
		MS Run #.....:	1229290				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

000100

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H170303

Matrix.....: SOLID

Date Sampled...: 08/17/01 13:00 Date Received...: 08/17/01 16:10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1H170303-061 Prep Batch #....: 1229636							
Arsenic	99	(75 - 115)		SW846 6010B		08/17-08/21/01 EH78L1AC	
	99	(75 - 115)	0.10 (0-25)	SW846 6010B		08/17-08/21/01 EH78L1AD	
		Dilution Factor: 1					
		Analysis Time...: 00:40		Instrument ID...: M01		Analyst ID.....: 021088	
		MS Run #.....: 1229291					

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000101

SEVERN
TRENT
SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

August 24, 2001

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

STL LOT NUMBER: E1H110128
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

Scott Zachary
Haley & Aldrich Inc
9040 Friars Road
Suite 220
San Diego, CA 92108

Dear Mr. Zachary,

This report contains the analytical results for the 80 samples received under chain of custody by STL Los Angeles on August 11, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,



Diane Suzuki
Project Manager
CC: Project File

This report contains 000116 pages.

000001

STL Los Angeles is a part of Severn Trent Laboratories, Inc.



**Chain of
Custody Record**

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Haley & Hulick			Project Manager	SCOTT - 2 ACTIVITY		Date	8/10/01	Chain of Custody Number	054157
Address	9040 Friars Rd Suite 220			Telephone Number /Area Code/Fax Number	619-280-9210		Lab Number	Page 3 of 7		
City	San Diego	State	CA	Zip Code	92108	Carrier/Waybill Number	Analysis (Attach list if more space is needed)			
Project Name and Location (State)		Boeing C-6 Transport, CA		Contract/Purchase Order/Quote No.		Special Instructions/ Conditions of Receipt				

Possible Hazard Identification

- Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (longer than 3 months)

Turn Around Time Required

- 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Relinquished By	TRAVIS HANNAH			Date	8/10/01	Time	19:50	1. Received By	R. coetz	Date	8/10/01	Time	19:50
2. Relinquished By				Date		Time		2. Received By		Date		Time	
3. Relinquished By				Date		Time		3. Received By		Date		Time	

Comments

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client

Address	Halley St. Building			Project Manager	Scott Zachary	Date	8/10/01	Chain of Custody Number	054158
City	9040 Fair St.	State	CA	Telephone Number (Area Code)/Fax Number	619-280-9210	Lab Number		Page	4 of 7
Project Name and Location (State)	San Diego			Site Contact		Analysis (Attach list if more space is needed)			
Contract/Purchase Order/Quote No.	R-00149 C-6 Torrance, CA			Carrier/Waybill Number		Special Instructions/ Conditions of Receipt			
27285-001				Matrix	Containers & Preservatives				
(Containers for each sample may be combined on one line)				Date	Time	Aqueous	Soil	Spd.	
PD - 85-1				8/9/01	3pm	X			
PD - 85-3									
PD - 86-1									
PD - 86-3									
PD - 87-1									
PD - 87-3									
PD - 88-1									
PD - 88-3									
PD - 89-1									
PD - 89-3									
PD - 90-1									
PD - 90-3									

Possible Hazard Identification

<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months	(A fee may be assessed if samples are retained longer than 3 months)
QC Requirements (Specify)									
Turn Around Time Required									
<input type="checkbox"/> 24 Hours <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____									

1. Relinquished By	Teavis Hammond	Date	8/10/01	Time	19:50	1. Received By	Teavis Hammond	Date	8/10/01	Time
2. Relinquished By		Date		Time		2. Received By		Date		Time
3. Relinquished By		Date		Time		3. Received By		Date		Time
Comments										

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client _____

Address Valley of Elkhorn
9040 Fairfield Street 220
City San Diego State CA Zip Code 92108

Project Name and Location (State) Boeing C-6 Tonanc
Contract/Purchase Order/Quote No. 27285-000

Telephone Number (Area Code)/Fax Number 619-280-9210
Site Contact Carrier/Waybill Number

Project Manager Scott Zachary
Date 8/10/01 Lab Number 5
Chain of Custody Number 054163
Page 5 of 7

Contractors for each sample may be combined on one line)
Sample I.D. No. and Description

Sample I.D. No. and Description	Date	Time	Matrix	Containers & Preservatives
PD - 91-1	8/9/01	3pm	Aquacore	Upters
PD - 91-3			Soil	
PD - 92-1			Soil	
PD - 92-3			Soil	
PD - 93-1			Soil	
PD - 93-3			Soil	
PD - 94-1			Soil	
PD - 94-3			Soil	
PD - 95-1			Soil	
PD - 95-3			Soil	
PD - 96-1			Soil	
PD - 96-3			Soil	

Possible Hazard Identification

Non-Hazard

Flammable

Skin Irritant

Poison B

Unknown

Return To Client

Disposal By Lab

Archive For

Months _____

(A fee may be assessed if samples are retained longer than 3 months)

QC Requirements (Specify)

Turn Around Time Required	<input type="checkbox"/> 24 Hours	<input checked="" type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____
1. Relinquished By	<u>Travis Hammer</u>	Date <u>8/10/01</u>	Time <u>10:50</u>	1. Received By	<u>Travis Hammer</u>	Date <u>8/10/01</u>
2. Relinquished By		Date	Time	2. Received By		Date
3. Relinquished By		Date	Time	3. Received By		Date

Comments _____

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client	Haley of Holwick	Project Manager	Scott Doherty	Date	8/10/01	Chain of Custody Number	054164
Address	9040 Evans Rd Suite 220	Telephone Number (Area Code)/Fax Number	619-280-9210	Lab Number	6	Page	6 of 7
City	San Diego	State	CA	Zip Code	92108	Site Contact	
Project Name and Location (State)	Boeing C-6 Transport, CA			Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No.	22285-001			Matrix		Containers & Preservatives	
(Containers for each sample may be combined on one line)	Date	Time	Time	Sample	Soil	NaOH	HCl
PA - 97-1	8/10/01	2:00pm		Y			
PD - 97-3				X			
PD - 98-1							
PD - 98-3							
PD - 99-1							
PD - 99-3							
PA - 100-1							
PD - 100-3							
PD - 101-1							
PD - 101-3							
PD - 102-1							
PD - 102-3							
Possible Hazard Identification	<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison A	<input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months
Turn Around Time Required	<input type="checkbox"/> 24 Hours	<input checked="" type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____	<small>(A fee may be assessed if samples are retained longer than 3 months)</small>
1. Relinquished By	Travis Hamner			Date	8/10/01	Time	20:30
2. Relinquished By				Date		Time	2. Received By
3. Relinquished By				Date		Time	3. Received By
Comments							
DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy							

Chain of Custody Record

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

DISTRIBUTION: *WHITE* - Stays with the Sample; *CANARY* - Returned to Client with Report; *PINK* - Field Copy

**STL LOS ANGELES
PROJECT RECEIPT CHECKLIST**

Date: 8/10/01

Quantums Lot #: E1H 110128
Client Name: Haley & Aldrich
Received by: Pecold
Delivered by : Client Airborne Fed
 UPS DES Other

Quote #: 42295

Project: Boeing C-6

Date/Time Received: 8/10/01 19:50

DHL Ultra-Ex Rey B.

Initial / Date

Custody Seal Status: Intact Broken None *JR 8/10/01*

Custody Seal #(s): No Seal #

Sample Container(s): STL-LA Client N/A

Temperature(s) (COOLER/BLANK) in °C: 5.2° (CORRECTED TEMP).....

Thermometer Used : AIR (Infra-red) Digital (Probe)

Samples: Contact Broken Other

Anomalies: No Yes (See Clouseau)

Labeling checked by _____

Labelling checked by
.....

Turn Around Time: RUSH-24HR RUSH-48HR RUSH-72HR NORMAL

Short-Hold Notification: Ph Wet Chem Metals (Filter/Pres) Encore N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) :- none

Outside / May, 2013 / 11

.....

***** LEAVE NO BLANK SPACES : USE N/A *****

CGI Clear Glass Jar CGI-Clear Glass Bottle AGI-Amber Glass Jar AGR-Amber Glass Bottle PB: Poly Bottle E-Screw Sampler V-YCA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: *Pacelis* 8/11/01

REVIEWED BY/DATE: T. Gault 8-13-0

000009

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_46_1 08/09/01 15:00 001				
Arsenic	5.4	1.0	mg/kg	SW846 6010B
PD_46_3 08/09/01 15:00 002				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_47_1 08/09/01 15:00 003				
Arsenic	264	1.0	mg/kg	SW846 6010B
PD_47_3 08/09/01 15:00 004				
Arsenic	3.9	1.0	mg/kg	SW846 6010B
PD_48_1 08/09/01 15:00 005				
Arsenic	5.3	1.0	mg/kg	SW846 6010B
PD_48_3 08/09/01 15:00 006				
Arsenic	13.0	1.0	mg/kg	SW846 6010B
PD_49_1 08/09/01 15:00 007				
Arsenic	28.6	1.0	mg/kg	SW846 6010B
PD_49_3 08/09/01 15:00 008				
Arsenic	46.7	1.0	mg/kg	SW846 6010B
PD_58_1 08/09/01 15:00 009				
Arsenic	10.1	1.0	mg/kg	SW846 6010B
PD_58_3 08/09/01 15:00 010				
Arsenic	2.4	1.0	mg/kg	SW846 6010B
PD_59_1 08/09/01 15:00 011				
Arsenic	9.3	1.0	mg/kg	SW846 6010B

(Continued on next page)

000010

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_59_3 08/09/01 15:00 012				
Arsenic	3.1	1.0	mg/kg	SW846 6010B
PD_45_1 08/09/01 15:00 013				
Arsenic	7.7	1.0	mg/kg	SW846 6010B
PD_45_3 08/09/01 15:00 014				
Arsenic	3.9	1.0	mg/kg	SW846 6010B
PD_60_1 08/09/01 15:00 015				
Arsenic	11.7	1.0	mg/kg	SW846 6010B
PD_60_3 08/09/01 15:00 016				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_61_1 08/09/01 15:00 017				
Arsenic	232	1.0	mg/kg	SW846 6010B
PD_61_3 08/09/01 15:00 018				
Arsenic	2.7	1.0	mg/kg	SW846 6010B
PD_62_1 08/09/01 15:00 019				
Arsenic	5.0	1.0	mg/kg	SW846 6010B
PD_62_3 08/09/01 15:00 020				
Arsenic	2.6	1.0	mg/kg	SW846 6010B
PD_63_1 08/09/01 15:00 021				
Arsenic	6.6	1.0	mg/kg	SW846 6010B
PD_63_3 08/09/01 15:00 022				
Arsenic	12.2	1.0	mg/kg	SW846 6010B

(Continued on next page)

000011

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_65_1 08/09/01 15:00 023				
Arsenic	10.4	1.0	mg/kg	SW846 6010B
PD_65_3 08/09/01 15:00 024				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
PD_66_1 08/09/01 15:00 025				
Arsenic	3.5	1.0	mg/kg	SW846 6010B
PD_66_3 08/09/01 15:00 026				
Arsenic	18.0	1.0	mg/kg	SW846 6010B
PD_67_1 08/09/01 15:00 027				
Arsenic	7.1	1.0	mg/kg	SW846 6010B
PD_67_3 08/09/01 15:00 028				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
PD_68_1 08/09/01 15:00 029				
Arsenic	358	1.0	mg/kg	SW846 6010B
PD_68_3 08/09/01 15:00 030				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_69_1 08/09/01 15:00 031				
Arsenic	4.4	1.0	mg/kg	SW846 6010B
PD_69_3 08/09/01 15:00 032				
Arsenic	3.1	1.0	mg/kg	SW846 6010B
PD_83_1 08/09/01 15:00 033				
Arsenic	5.1	1.0	mg/kg	SW846 6010B

(Continued on next page)

000012

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_83_3 08/09/01 15:00 034				
Arsenic	4.1	1.0	mg/kg	SW846 6010B
PD_84_1 08/09/01 15:00 035				
Arsenic	9.2	1.0	mg/kg	SW846 6010B
PD_84_3 08/09/01 15:00 036				
Arsenic	3.6	1.0	mg/kg	SW846 6010B
PD_85_1 08/09/01 15:00 037				
Arsenic	2.6	1.0	mg/kg	SW846 6010B
PD_85_3 08/09/01 15:00 038				
Arsenic	3.0	1.0	mg/kg	SW846 6010B
PD_86_1 08/09/01 15:00 039				
Arsenic	11.7	1.0	mg/kg	SW846 6010B
PD_86_3 08/09/01 15:00 040				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_87_1 08/09/01 15:00 041				
Arsenic	4.0	1.0	mg/kg	SW846 6010B
PD_87_3 08/09/01 15:00 042				
Arsenic	3.2	1.0	mg/kg	SW846 6010B
PD_88_1 08/09/01 15:00 043				
Arsenic	4.3	1.0	mg/kg	SW846 6010B
PD_88_3 08/09/01 15:00 044				
Arsenic	2.8	1.0	mg/kg	SW846 6010B

(Continued on next page)

000013

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_89_1 08/09/01 15:00 045				
Arsenic	18.8	1.0	mg/kg	SW846 6010B
PD_89_3 08/09/01 15:00 046				
Arsenic	2.5	1.0	mg/kg	SW846 6010B
PD_90_1 08/09/01 15:00 047				
Arsenic	2.7	1.0	mg/kg	SW846 6010B
PD_90_3 08/09/01 15:00 048				
Arsenic	4.6	1.0	mg/kg	SW846 6010B
PD_91_1 08/09/01 15:00 049				
Arsenic	17.8	1.0	mg/kg	SW846 6010B
PD_91_3 08/09/01 15:00 050				
Arsenic	4.4	1.0	mg/kg	SW846 6010B
PD_92_1 08/09/01 15:00 051				
Arsenic	6.3	1.0	mg/kg	SW846 6010B
PD_92_3 08/09/01 15:00 052				
Arsenic	10	1.0	mg/kg	SW846 6010B
PD_93_1 08/09/01 15:00 053				
Arsenic	4.5	1.0	mg/kg	SW846 6010B
PD_93_3 08/09/01 15:00 054				
Arsenic	4.7	1.0	mg/kg	SW846 6010B
PD_94_1 08/09/01 15:00 055				
Arsenic	5.9	1.0	mg/kg	SW846 6010B

(Continued on next page)

000014

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_94_3 08/09/01 15:00 056				
Arsenic	13.2	1.0	mg/kg	SW846 6010B
PD_95_1 08/09/01 15:00 057				
Arsenic	6.6	1.0	mg/kg	SW846 6010B
PD_95_3 08/09/01 15:00 058				
Arsenic	10.0	1.0	mg/kg	SW846 6010B
PD_96_1 08/09/01 15:00 059				
Arsenic	17.9	1.0	mg/kg	SW846 6010B
PD_96_3 08/09/01 15:00 060				
Arsenic	14.7	1.0	mg/kg	SW846 6010B
PD_97_1 08/10/01 14:00 061				
Arsenic	11.7	1.0	mg/kg	SW846 6010B
PD_97_3 08/10/01 14:00 062				
Arsenic	14.3	1.0	mg/kg	SW846 6010B
PD_98_1 08/10/01 14:00 063				
Arsenic	25.2	1.0	mg/kg	SW846 6010B
PD_98_3 08/10/01 14:00 064				
Arsenic	53.3	1.0	mg/kg	SW846 6010B
PD_99_1 08/10/01 14:00 065				
Arsenic	17.2	1.0	mg/kg	SW846 6010B
PD_99_3 08/10/01 14:00 066				
Arsenic	27.4	1.0	mg/kg	SW846 6010B

(Continued on next page)

000015

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_100_1 08/10/01 14:00 067				
Arsenic	14.5	1.0	mg/kg	SW846 6010B
PD_100_3 08/10/01 14:00 068				
Arsenic	23.5	1.0	mg/kg	SW846 6010B
PD_101_1 08/10/01 14:00 069				
Arsenic	816	5.0	mg/kg	SW846 6010B
PD_101_3 08/10/01 14:00 070				
Arsenic	2.7	1.0	mg/kg	SW846 6010B
PD_102_1 08/10/01 14:00 071				
Arsenic	6.3	1.0	mg/kg	SW846 6010B
PD_102_3 08/10/01 14:00 072				
Arsenic	3.1	1.0	mg/kg	SW846 6010B
PD_103_1 08/10/01 14:00 073				
Arsenic	12.1	1.0	mg/kg	SW846 6010B
PD_103_3 08/10/01 14:00 074				
Arsenic	4.0	1.0	mg/kg	SW846 6010B
PD_104_1 08/10/01 14:00 075				
Arsenic	78.7	1.0	mg/kg	SW846 6010B
PD_104_3 08/10/01 14:00 076				
Arsenic	2.9	1.0	mg/kg	SW846 6010B
PD_105_1 08/10/01 14:00 077				
Arsenic	4.1	1.0	mg/kg	SW846 6010B

(Continued on next page)

000016

EXECUTIVE SUMMARY - Detection Highlights

E1H110128

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
PD_105_3 08/10/01 14:00 078				
Arsenic	2.8	1.0	mg/kg	SW846 6010B
PD_106_1 08/10/01 14:00 079				
Arsenic	81.3	1.0	mg/kg	SW846 6010B
PD_106_3 08/10/01 14:00 080				
Arsenic	2.9	1.0	mg/kg	SW846 6010B

000017

METHODS SUMMARY

E1H110128

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000018

SAMPLE SUMMARY

E1H110128

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHT87	001	PD_46_1	08/09/01	15:00
EHT9H	002	PD_46_3	08/09/01	15:00
EHT9J	003	PD_47_1	08/09/01	15:00
EHT9L	004	PD_47_3	08/09/01	15:00
EHT9M	005	PD_48_1	08/09/01	15:00
EHT9N	006	PD_48_3	08/09/01	15:00
EHT9Q	007	PD_49_1	08/09/01	15:00
EHT9R	008	PD_49_3	08/09/01	15:00
EHT9T	009	PD_58_1	08/09/01	15:00
EHT9V	010	PD_58_3	08/09/01	15:00
EHT9W	011	PD_59_1	08/09/01	15:00
EHT9X	012	PD_59_3	08/09/01	15:00
EHT90	013	PD_45_1	08/09/01	15:00
EHT91	014	PD_45_3	08/09/01	15:00
EHT92	015	PD_60_1	08/09/01	15:00
EHT93	016	PD_60_3	08/09/01	15:00
EHT95	017	PD_61_1	08/09/01	15:00
EHT96	018	PD_61_3	08/09/01	15:00
EHT97	019	PD_62_1	08/09/01	15:00
EHT98	020	PD_62_3	08/09/01	15:00
EHT99	021	PD_63_1	08/09/01	15:00
EHVAAC	022	PD_63_3	08/09/01	15:00
EHVAC	023	PD_65_1	08/09/01	15:00
EHVAD	024	PD_65_3	08/09/01	15:00
EHVAE	025	PD_66_1	08/09/01	15:00
EHVAF	026	PD_66_3	08/09/01	15:00
EHVAG	027	PD_67_1	08/09/01	15:00
EHVAH	028	PD_67_3	08/09/01	15:00
EHVAJ	029	PD_68_1	08/09/01	15:00
EHVAK	030	PD_68_3	08/09/01	15:00
EHVAL	031	PD_69_1	08/09/01	15:00
EHVAM	032	PD_69_3	08/09/01	15:00
EHVAN	033	PD_83_1	08/09/01	15:00
EHVAP	034	PD_83_3	08/09/01	15:00
EHVAQ	035	PD_84_1	08/09/01	15:00
EHVAR	036	PD_84_3	08/09/01	15:00

(Continued on next page)

000019

SAMPLE SUMMARY

E1H110128

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHVAT	037	PD_85_1	08/09/01	15:00
EHVAV	038	PD_85_3	08/09/01	15:00
EHVAW	039	PD_86_1	08/09/01	15:00
EHVAX	040	PD_86_3	08/09/01	15:00
EHVA0	041	PD_87_1	08/09/01	15:00
EHVA1	042	PD_87_3	08/09/01	15:00
EHVA2	043	PD_88_1	08/09/01	15:00
EHVA3	044	PD_88_3	08/09/01	15:00
EHVA4	045	PD_89_1	08/09/01	15:00
EHVA5	046	PD_89_3	08/09/01	15:00
EHVA6	047	PD_90_1	08/09/01	15:00
EHVA7	048	PD_90_3	08/09/01	15:00
EHVA8	049	PD_91_1	08/09/01	15:00
EHVA9	050	PD_91_3	08/09/01	15:00
EHVCA	051	PD_92_1	08/09/01	15:00
EHVCC	052	PD_92_3	08/09/01	15:00
EHVCD	053	PD_93_1	08/09/01	15:00
EHVCF	054	PD_93_3	08/09/01	15:00
EHVCG	055	PD_94_1	08/09/01	15:00
EHVCJ	056	PD_94_3	08/09/01	15:00
EHVCK	057	PD_95_1	08/09/01	15:00
EHVCL	058	PD_95_3	08/09/01	15:00
EHVCM	059	PD_96_1	08/09/01	15:00
EHVCN	060	PD_96_3	08/09/01	15:00
EHVCP	061	PD_97_1	08/10/01	14:00
EHVCQ	062	PD_97_3	08/10/01	14:00
EHVCR	063	PD_98_1	08/10/01	14:00
EHVCV	064	PD_98_3	08/10/01	14:00
EHVCW	065	PD_99_1	08/10/01	14:00
EHVCX	066	PD_99_3	08/10/01	14:00
EHVC0	067	PD_100_1	08/10/01	14:00
EHVC1	068	PD_100_3	08/10/01	14:00
EHVC2	069	PD_101_1	08/10/01	14:00
EHVC3	070	PD_101_3	08/10/01	14:00
EHVC5	071	PD_102_1	08/10/01	14:00
EHVC6	072	PD_102_3	08/10/01	14:00

(Continued on next page)

000020

SAMPLE SUMMARY

E1H110128

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHVC7	073	PD_103_1	08/10/01	14:00
EHVC8	074	PD_103_3	08/10/01	14:00
EHVC9	075	PD_104_1	08/10/01	14:00
EHVDA	076	PD_104_3	08/10/01	14:00
EHVDD	077	PD_105_1	08/10/01	14:00
EHVDE	078	PD_105_3	08/10/01	14:00
EHVDF	079	PD_106_1	08/10/01	14:00
EHVDG	080	PD_106_3	08/10/01	14:00

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000021

HALEY & ALDRICH INC

Client Sample ID: PD_46_1

TOTAL Metals

Lot-Sample #....: E1H110128-001

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #....: 1225341						
Arsenic	5.4	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT871AA
		Dilution Factor:	1	Analysis Time...: 10:59	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....: 1225188	MDL.....:	0.40

000022

HALEY & ALDRICH INC

Client Sample ID: PD_46_3

TOTAL Metals

Lot-Sample #....: E1H110128-002 **Matrix.....: SOLID**
Date Sampled....: 08/09/01 15:00 **Date Received..: 08/10/01 19:50**

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #....: 1225341							
Arsenic	4.5	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT9H1AA	
		Dilution Factor: 1		Analysis Time...: 11:33	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1225188	MDL.....:	0.40	

000023

HALEY & ALDRICH INC

Client Sample ID: PD_47_1

TOTAL Metals

Lot-Sample #....: E1H110128-003

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #....:	1225341						
Arsenic	264	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT9J1AA	
		Dilution Factor:	1	Analysis Time..:	11:55	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1225188	MDL.....:	0.40

000024

BOE-C6-0002586

HALEY & ALDRICH INC

Client Sample ID: PD_47_3

TOTAL Metals

Lot-Sample #....: E1H110128-004

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			<u>ANALYSIS DATE</u>	
Prep Batch #....: 1225341								
Arsenic	3.9	1.0	mg/kg		SW846 6010B	08/13-08/14/01	EHT9L1AA	
		Dilution Factor: 1			Analysis Time...: 12:04	Analyst ID.....: 021088		
		Instrument ID...: M01			MS Run #.....: 1225188	MDL.....: 0.40		

000025

HALEY & ALDRICH INC

Client Sample ID: PD_48_1

TOTAL Metals

Lot-Sample #...: E1H110128-005

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #...: 1225341									
Arsenic	5.3	1.0	mg/kg		SW846 6010B	08/13-08/14/01	EHT9M1AA		
		Dilution Factor:	1		Analysis Time...: 12:12	Analyst ID.....:	021088		
		Instrument ID...:	M01		MS Run #.....: 1225188	MDL.....:	0.40		

000026

HALEY & ALDRICH INC

Client Sample ID: PD_48_3

TOTAL Metals

Lot-Sample #....: E1H110128-006

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225341								
Arsenic	13.0	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT9N1AA		
		Dilution Factor: 1		Analysis Time...: 12:20		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1225188		MDL.....: 0.40		

000027

HALEY & ALDRICH INC

Client Sample ID: PD_49_1

TOTAL Metals

Lot-Sample #....: E1H110128-007 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 1225341						
Arsenic	28.6	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT9Q1AA
		Dilution Factor:	1	Analysis Time..:	12:29	Analyst ID.....: 021088
		Instrument ID..:	M01	MS Run #.....:	1225188	MDL.....: 0.40

000028

HALEY & ALDRICH INC

Client Sample ID: PD_49_3

TOTAL Metals

Lot-Sample #....: E1H110128-008 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225341							
Arsenic	46.7	1.0	mg/kg	SW846 6010B			08/13-08/14/01	EHT9R1AA
		Dilution Factor:	1		Analysis Time..:	12:37	Analyst ID.....:	021088
		Instrument ID..:	M01		MS Run #.....:	1225188	MDL.....:	0.40

000029

HALEY & ALDRICH INC

Client Sample ID: PD_58_1

TOTAL Metals

Lot-Sample #....: E1H110128-009

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #....:	1225341						
Arsenic	10.1	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT9T1AA	
		Dilution Factor:	1	Analysis Time...:	12:45	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1225188	MDL.....:	0.40

000030

BOE-C6-0002592

HALEY & ALDRICH INC

Client Sample ID: PD_58_3

TOTAL Metals

Lot-Sample #....: E1H110128-010 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225341								
Arsenic	2.4	1.0	mg/kg	SW846 6010B	08/13-08/14/01 EHT9V1AA			
		Dilution Factor:	1	Analysis Time...: 12:54	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1225188	MDL.....:	0.40		

000031

HALEY & ALDRICH INC

Client Sample ID: PD_59_1

TOTAL Metals

Lot-Sample #....: E1H110128-011 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYSIS DATE</u>				
Prep Batch #....:	1225341							
Arsenic	9.3	1.0	mg/kg	SW846 6010B		08/13-08/14/01	EHT9W1AA	
		Dilution Factor: 1		Analysis Time..: 13:02		Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1225188		MDL.....:	0.40	

000032

HALEY & ALDRICH INC

Client Sample ID: PD_59_3

TOTAL Metals

Lot-Sample #...: E1H110128-012

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #...:	1225341							
Arsenic	3.1	1.0	mg/kg	SW846 6010B			08/13-08/14/01	EHT9X1AA
		Dilution Factor:	1	Analysis Time...:	13:08	Analyst ID....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225188	MDL.....:	0.40	

000033

HALEY & ALDRICH INC

Client Sample ID: PD_45_1

TOTAL Metals

Lot-Sample #....: E1H110128-013 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225341							
Arsenic	7.7	1.0	mg/kg	SW846 6010B			08/13-08/14/01	EHT901AA
		Dilution Factor:	1	Analysis Time...:	13:31	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225188	MDL.....:	0.40	

000034

HALEY & ALDRICH INC

Client Sample ID: PD_45_3

TOTAL Metals

Lot-Sample #...: E1H110128-014

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #: 1225341								
Arsenic	3.9	1.0	mg/kg	SW846 6010B	08/13-08/14/01 EHT911AA			
		Dilution Factor:	1	Analysis Time...: 13:39	Analyst ID.....: 021088			
		Instrument ID...:	M01	MS Run #.....: 1225188	MDL.....: 0.40			

000035

HALEY & ALDRICH INC

Client Sample ID: PD_60_1

TOTAL Metals

Lot-Sample #....: E1H110128-015 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1225341							
Arsenic	11.7	1.0	mg/kg	SW846 6010B			08/13-08/14/01	EHT921AA
		Dilution Factor:	1	Analysis Time...	13:50	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225188	MDL.....:	0.40	

000036

HALEY & ALDRICH INC

Client Sample ID: PD_60_3

TOTAL Metals

Lot-Sample #...: E1H110128-016

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #...:	1225341					
Arsenic	3.2	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT931AA
		Dilution Factor:	1	Analysis Time..:	14:00	Analyst ID.....: 021088
		Instrument ID...:	M01	MS Run #.....:	1225188	MDL.....: 0.40

000037

HALEY & ALDRICH INC

Client Sample ID: PD_61_1

TOTAL Metals

Lot-Sample #...: E1H110128-017

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #...:	1225341								
Arsenic	232	1.0	mg/kg		SW846 6010B			08/13-08/14/01	EHT951AA
		Dilution Factor:	1		Analysis Time...:	14:09	Analyst ID....:	021088	
		Instrument ID...:	M01		MS Run #.....:	1225168	MDL.....:	0.40	

000038

HALEY & ALDRICH INC

Client Sample ID: PD_61_3

TOTAL Metals

Lot-Sample #....: E1H110128-018
Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225341								
Arsenic	2.7	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT961AA		
		Dilution Factor:	1	Analysis Time...:	14:19	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225188	MDL.....:	0.40	

000039

HALEY & ALDRICH INC

Client Sample ID: PD_62_1

TOTAL Metals

Lot-Sample #...: E1H110128-019

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 1225341						
Arsenic	5.0	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT971AA
		Dilution Factor: 1		Analysis Time...: 14:27	Analyst ID.....:	021088
		Instrument ID...: M01		MS Run #.....: 1225188	MDL.....	0.40

000040

HALEY & ALDRICH INC

Client Sample ID: PD_62_3

TOTAL Metals

Lot-Sample #....: E1H110128-020

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225341							
Arsenic	2.6	1.0	mg/kg	SW846 6010B		08/13-08/14/01	EHT981AA	
		Dilution Factor:	1		Analysis Time..:	14:36	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1225188	MDL.....:	0.40

000041

HALEY & ALDRICH INC

Client Sample ID: PD_63_1

TOTAL Metals

Lot-Sample #....: E1H110128-021 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #....:	1225343						
Arsenic	6.6	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHT991AA	
		Dilution Factor:	1	Analysis Time..:	15:13	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1225190	MDL.....:	0.40

000042

HALEY & ALDRICH INC

Client Sample ID: PD_63_3

TOTAL Metals

Lot-Sample #....: E1H110128-022

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Prep Batch #....: 1225343							
Arsenic	12.2	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAA1AA	
		Dilution Factor:	1	Analysis Time..:	16:10	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1225190	MDL.....:	0.40

000043

HALEY & ALDRICH INC

Client Sample ID: PD_65_1

TOTAL Metals

Lot-Sample #....: E1H110128-023 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225343							
Arsenic	10.4	1.0	mg/kg	SW846 6010B			08/13-08/14/01	EHVAC1AA
		Dilution Factor:	1	Analysis Time...:	16:18	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225190	MDL.....:	0.40	

000044

HALEY & ALDRICH INC

Client Sample ID: PD_65_3

TOTAL Metals

Lot-Sample #...: E1H110128-024

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #...:	1225343								
Arsenic	4.1	1.0	mg/kg		SW846 6010B			08/13-08/14/01	EHVAD1AA
		Dilution Factor:	1		Analysis Time..:	16:28	Analyst ID.....:	021088	
		Instrument ID..:	M01		MS Run #.....:	1225190	MDL.....:	0.40	

000045

HALEY & ALDRICH INC

Client Sample ID: PD_66_1

TOTAL Metals

Lot-Sample #....: E1H110128-025 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u> </u>	
Prep Batch #....:	1225343						
Arsenic	3.5	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAE1AA	
		Dilution Factor:	1	Analysis Time...:	16:39	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1225190	MDL.....:	0.40

000046

BOE-C6-0002608

HALEY & ALDRICH INC

Client Sample ID: PD_66_3

TOTAL Metals

Lot-Sample #....: E1H110128-026

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225343								
Arsenic	18.0	1.0	mg/kg		SW846 6010B	08/13-08/14/01	EHVAF1AA	
		Dilution Factor:	1		Analysis Time...: 16:49	Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....: 1225190	MDL.....:	0.40	

000047

HALEY & ALDRICH INC

Client Sample ID: PD_67_1

TOTAL Metals

Lot-Sample #...: E1H110128-027

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #...:	1225343						
Arsenic	7.1	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAG1AA	
		Dilution Factor:	1	Analysis Time...:	17:14	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1225190	MDL.....:	0.40

000048

HALEY & ALDRICH INC

Client Sample ID: PD_67_3

TOTAL Metals

Lot-Sample #....: E1H110128-028

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....: 1225343								
Arsenic	4.1	1.0	mg/kg	SW846 6010B		08/13-08/14/01	EHVAH1AA	
		Dilution Factor: 1		Analysis Time...: 17:22		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1225190		MDL.....: 0.40		

000049

HALEY & ALDRICH INC

Client Sample ID: PD_68_1

TOTAL Metals

Lot-Sample #....: E1H110128-029

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225343								
Arsenic	358	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAJ1AA		
		Dilution Factor: 1		Analysis Time...: 17:33		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1225190		MDL.....: 0.40		

000050

HALEY & ALDRICH INC

Client Sample ID: PD_68_3

TOTAL Metals

Lot-Sample #....: E1H110128-030

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
Prep Batch #....: 1225343							
Arsenic	3.2	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAK1AA	
		Dilution Factor:	1	Analysis Time...: 17:40	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....: 1225190	MDL.....:	0.40	

000051

HALEY & ALDRICH INC

Client Sample ID: PD_69_1

TOTAL Metals

Lot-Sample #....: E1H110128-031 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225343								
Arsenic	4.4	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAL1AA		
		Dilution Factor:	1	Analysis Time..:	17:50	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225190	MDL.....:	0.40	

000052

HALEY & ALDRICH INC

Client Sample ID: PD_69_3

TOTAL Metals

Lot-Sample #....: E1H110128-032 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1225343							
Arsenic	3.1	1.0	mg/kg	SW846 6010B			08/13-08/14/01	EHVAM1AA
		Dilution Factor:	1		Analysis Time..:	17:57	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1225190	MDL.....:	0.40

000053

BOE-C6-0002615

HALEY & ALDRICH INC

Client Sample ID: PD_83_1

TOTAL Metals

Lot-Sample #....: E1H110128-033

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			

Prep Batch #....: 1225343

Arsenic	5.1	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAN1AA
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Dilution Factor:	1	Analysis Time..:	18:06	Analyst ID.....:	021088
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Instrument ID..:	M01	MS Run #.....:	1225190	MDL.....:	0.40
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000054

HALEY & ALDRICH INC

Client Sample ID: PD 83 3

TOTAL Metals

Lot-Sample #....: E1H110128-034 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....:	1225343					
Arsenic	4.1	1.0	mg/kg	SW846 6010B	08/13-08/14/01	EHVAP1AA

000055

HALEY & ALDRICH INC

Client Sample ID: PD_84_1

TOTAL Metals

Lot-Sample #....: E1H110128-035

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1225343									
Arsenic	9.2	1.0	mg/kg		SW846 6010B		08/13-08/14/01	EHVAQ1AA	
		Dilution Factor: 1			Analysis Time...: 18:22		Analyst ID.....:	021088	
		Instrument ID...: M01			MS Run #.....: 1225190		MDL.....:	0.40	

000056

HALEY & ALDRICH INC

Client Sample ID: PD_84_3

TOTAL Metals

Lot-Sample #....: E1H110128-036 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYSIS DATE</u>				
Prep Batch #....:	1225343							
Arsenic	3.6	1.0	mg/kg	SW846 6010B		08/13-08/14/01	EHVAR1AA	
		Dilution Factor:	1	Analysis Time..:	18:33	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225190	MDL.....:	0.40	

000057

HALEY & ALDRICH INC

Client Sample ID: PD_85_1

TOTAL Metals

Lot-Sample #...: E1H110128-037

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #...: 1225343								
Arsenic	2.6	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVAT1AA		
		Dilution Factor: 1		Analysis Time..: 10:36	Analyst ID.....:	021088		
		Instrument ID..: M01		MS Run #.....: 1225190	MDL.....:	0.40		

000058

HALEY & ALDRICH INC

Client Sample ID: PD_85_3

TOTAL Metals

Lot-Sample #....: E1H110128-038 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225343							
Arsenic	3.0	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVAV1AA
		Dilution Factor:	1		Analysis Time..:	10:44	Analyst ID.....:	021088
		Instrument ID...:	M01		MS Run #.....:	1225190	MDL.....:	0.40

000059

BOE-C6-0002621

HALEY & ALDRICH INC

Client Sample ID: PD_86_1

TOTAL Metals

Lot-Sample #...: E1H110128-039

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #...: 1225343									
Arsenic	11.7	1.0	mg/kg		SW846 6010B		08/13-08/15/01	EHVAW1AA	
		Dilution Factor: 1			Analysis Time...: 10:52		Analyst ID.....:	021088	
		Instrument ID...: M01			MS Run #.....: 1225190		MDL.....:	0.40	

000060

BOE-C6-0002622

HALEY & ALDRICH INC

Client Sample ID: PD_86_3

TOTAL Metals

Lot-Sample #....: E1H110128-040

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225343								
Arsenic	4.5	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVAX1AA		
		Dilution Factor: 1		Analysis Time...: 11:01	Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1225190	MDL.....:	0.40		

000061

HALEY & ALDRICH INC

Client Sample ID: PD_87_1

TOTAL Metals

Lot-Sample #....: E1H110128-041

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....: 1225345							
Arsenic	4.0	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA01AA	
		Dilution Factor:	1	Analysis Time...:	11:38	Analyst ID.....:	021088
		Instrument ID..:	M01	MS Run #.....:	1225191	MDL.....:	0.40

000062

HALEY & ALDRICH INC

Client Sample ID: PD_87_3

TOTAL Metals

Lot-Sample #....: E1H110128-042 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225345							
Arsenic	3.2	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVA11AA
		Dilution Factor:	1	Analysis Time..:	12:32	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225191	MDL.....:	0.40	

000063

HALEY & ALDRICH INC

Client Sample ID: PD_88_1

TOTAL Metals

Lot-Sample #....: E1H110128-043

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					

Prep Batch #....: 1225345

Arsenic	4.3	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA21AA		
		Dilution Factor:	1	Analysis Time...: 12:40	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1225191	MDL.....:	0.40		

000064

HALEY & ALDRICH INC

Client Sample ID: PD_88_3

TOTAL Metals

Lot-Sample #...: E1H110128-044

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #...: 1225345								
Arsenic	2.8	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA31AA		
		Dilution Factor: 1		Analysis Time...: 12:49	Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1225191	MDL.....:	0.40		

000065

HALEY & ALDRICH INC

Client Sample ID: PD_89_1

TOTAL Metals

Lot-Sample #....: E1H110128-045 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225345								
Arsenic	18.8	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA41AA		
		Dilution Factor:	1	Analysis Time...: 12:57	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1225191	MDL.....:	0.40		

000066

HALEY & ALDRICH INC

Client Sample ID: PD_89_3

TOTAL Metals

Lot-Sample #....: E1H110128-046

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225345								
Arsenic	2.5	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA51AA		
		Dilution Factor: 1		Analysis Time...: 13:07	Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1225191	MDL.....:	0.40		

000067

HALEY & ALDRICH INC

Client Sample ID: PD_90_1

TOTAL Metals

Lot-Sample #...: E1H110128-047

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYSIS DATE</u>				
Prep Batch #...:	1225345							
Arsenic	2.7	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHVA61AA	
		Dilution Factor: 1		Analysis Time...: 13:18		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1225191		MDL.....: 0.40		

000068

HALEY & ALDRICH INC

Client Sample ID: PD_90_3

TOTAL Metals

Lot-Sample #....: E1H110128-048

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1225345								
Arsenic	4.6	1.0	mg/kg		SW846 6010B		08/13-08/15/01	EHVA71AA	
		Dilution Factor:	1		Analysis Time...:	13:26	Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....:	1225191	MDL.....:	0.40	

000063

HALEY & ALDRICH INC

Client Sample ID: PD_91_1

TOTAL Metals

Lot-Sample #....: E1H110128-049

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #....: 1225345							
Arsenic	17.8	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA81AA	
		Dilution Factor: 1		Analysis Time...: 13:35	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1225191	MDL.....:	0.40	

000070

BOE-C6-0002632

HALEY & ALDRICH INC

Client Sample ID: PD_91_3

TOTAL Metals

Lot-Sample #....: E1H110128-050

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225345								
Arsenic	4.4	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVA91AA		
		Dilution Factor:	1	Analysis Time...: 13:43	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1225191	MDL.....:	0.40		

000071

BOE-C6-0002633

HALEY & ALDRICH INC

Client Sample ID: PD_92_1

TOTAL Metals

Lot-Sample #....: E1H110128-051 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1225345									
Arsenic	6.3	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHVCA1AA		
		Dilution Factor: 1			Analysis Time..: 13:53		Analyst ID.....: 021088		
		Instrument ID...: M01			MS Run #.....: 1225191		MDL.....: 0.40		

000072

HALEY & ALDRICH INC

Client Sample ID: PD_92_3

TOTAL Metals

Lot-Sample #....: E1H110128-052

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225345								
Arsenic	10	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVCC1AA		
		Dilution Factor: 1		Analysis Time...: 14:18	Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1225191	MDL.....:	0.40		

000073

BOE-C6-0002635

HALEY & ALDRICH INC

Client Sample ID: PD_93_1

TOTAL Metals

Lot-Sample #....: E1H110128-053
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50 Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
Prep Batch #....: 1225345							
Arsenic	4.5	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVCD1AA	
		Dilution Factor:	1	Analysis Time...: 14:27	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....: 1225191	MDL.....:	0.40	

000074

HALEY & ALDRICH INC

Client Sample ID: PD_93_3

TOTAL Metals

Lot-Sample #....: E1H110128-054

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225345							
Arsenic	4.7	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVCF1AA
		Dilution Factor:	1	Analysis Time..:	14:37	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225191	MDL.....:	0.40	

000075

BOE-C6-0002637

HALEY & ALDRICH INC

Client Sample ID: PD_94_1

TOTAL Metals

Lot-Sample #....: E1H110128-055

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1225345								
Arsenic	5.9	1.0	mg/kg		SW846 6010B		08/13-08/15/01	EHVCG1AA	
		Dilution Factor:	1		Analysis Time...:	14:45	Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....:	1225191	MDL.....:	0.40	

000076

HALEY & ALDRICH INC

Client Sample ID: PD_94_3

TOTAL Metals

Lot-Sample #....: E1H110128-056

Matrix.....: SOLID

Date Sampled....: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....: 1225345									
Arsenic	13.2	1.0	mg/kg		SW846 6010B	08/13-08/15/01	EHVCJ1AA		
		Dilution Factor: 1			Analysis Time...: 14:56		Analyst ID.....: 021088		
		Instrument ID...: M01			MS Run #.....: 1225191		MDL.....: 0.40		

000077

HALEY & ALDRICH INC

Client Sample ID: PD_95_1

TOTAL Metals

Lot-Sample #....: E1H110128-057 Matrix.....: SOLID
Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1225345								
Arsenic	6.6	1.0	mg/kg		SW846 6010B			08/13-08/15/01	EHVCK1AA
		Dilution Factor:	1		Analysis Time...:	15:04	Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....:	1225191	MDL.....:	0.40	

000078

BOE-C6-0002640

HALEY & ALDRICH INC

Client Sample ID: PD_95_3

TOTAL Metals

Lot-Sample #....: E1H110128-058

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS				
Prep Batch #....: 1225345							
Arsenic	10.0	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVCL1AA	
		Dilution Factor: 1		Analysis Time...: 15:13	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1225191	MDL.....:	0.40	

000079

HALEY & ALDRICH INC

Client Sample ID: PD_96_3

TOTAL Metals

Lot-Sample #....: E1H110128-060 Matrix.....: SOLID
Date Sampled....: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225345							
Arsenic	14.7	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVCN1AA
		Dilution Factor:	1	Analysis Time..:	15:29	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225191	MDL.....:	0.40	

000081

BOE-C6-0002643

HALEY & ALDRICH INC

Client Sample ID: PD_97_1

TOTAL Metals

Lot-Sample #...: E1H110128-061

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS			
Prep Batch #...:	1225347					
Arsenic	11.7	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVCP1AA
		Dilution Factor:	1	Analysis Time..:	16:12	Analyst ID.....: 021088
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....: 0.40

000082

HALEY & ALDRICH INC

Client Sample ID: PD_97_3

TOTAL Metals

Lot-Sample #....: E1H110128-062 Matrix.....: SOLID
Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Prep Batch #....:	1225347								
Arsenic	14.3	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHVCQ1AA		
		Dilution Factor:	1	Analysis Time..:	16:49	Analyst ID.....:	021088		
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....:	0.40		

000083

BOE-C6-0002645

HALEY & ALDRICH INC

Client Sample ID: PD_98_1

TOTAL Metals

Lot-Sample #....: E1H110128-063 Matrix.....: SOLID
Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #....:	1225347					
Arsenic	25.2	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVCR1AA
		Dilution Factor:	1	Analysis Time..:	16:57	Analyst ID.....: 021088
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....: 0.40

000084

HALEY & ALDRICH INC

Client Sample ID: PD_98_3

TOTAL Metals

Lot-Sample #....: E1H110128-064

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
Prep Batch #....: 1225347							
Arsenic	53.3	1.0	mg/kg		SW846 6010B	08/13-08/15/01	EHVCV1AA
		Dilution Factor: 1			Analysis Time...: 17:06	Analyst ID.....: 021088	
		Instrument ID...: M01			MS Run #.....: 1225192	MDL.....: 0.40	

000085

BOE-C6-0002647

HALEY & ALDRICH INC

Client Sample ID: PD_99_1

TOTAL Metals

Lot-Sample #...: E1H110128-065 Matrix.....: SOLID
Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYSIS DATE</u>				
Prep Batch #...:	1225347							
Arsenic	17.2	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHVCW1AA	
		Dilution Factor:	1	Analysis Time...	17:14	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....:	0.40	

000086

BOE-C6-0002648

HALEY & ALDRICH INC

Client Sample ID: PD_99_3

TOTAL Metals

Lot-Sample #....: E1H110128-066 Matrix.....: SOLID
Date Sampled....: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225347							
Arsenic	27.4	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVCX1AA
		Dilution Factor:	1	Analysis Time...:	17:41	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225192	MDL.....:	0.40	

000087

HALEY & ALDRICH INC

Client Sample ID: PD_100_1

TOTAL Metals

Lot-Sample #....: E1H110128-067

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS	 				
Prep Batch #....: 1225347								
Arsenic	14.5	1.0	mg/kg	SW846 6010B	08/13-08/15/01 EHVC01AA			
Dilution Factor: 1 Analysis Time...: 17:50 Analyst ID.....: 021088								
Instrument ID...: M01 MS Run #.....: 1225192 MDL.....: 0.40								

000088

BOE-C6-0002650

HALEY & ALDRICH INC

Client Sample ID: PD_100_3

TOTAL Metals

Lot-Sample #....: E1H110128-068

Matrix.....: SOLID

Date Sampled....: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225347							
Arsenic	23.5	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVC11AA		
		Dilution Factor: 1		Analysis Time...: 17:58		Analyst ID.....: 021088		
		Instrument ID...: M01		MS Run #.....: 1225192		MDL.....: 0.40		

000089

HALEY & ALDRICH INC

Client Sample ID: PD_101_1

TOTAL Metals

Lot-Sample #....: E1H110128-069 **Matrix.....: SOLID**
Date Sampled....: 08/10/01 14:00 Date Received...: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	
					<u>ANALYSIS DATE</u>	<u>ORDER #</u>	
Prep Batch #....: 1225347							
Arsenic	816	5.0	mg/kg	SW846 6010B	08/13-08/16/01	EHVC21AA	
		Dilution Factor: 5		Analysis Time...: 11:21	Analyst ID.....:	021088	
		Instrument ID...: M01		MS Run #.....: 1225192	MDL.....:	2.0	

000090

HALEY & ALDRICH INC

Client Sample ID: PD_101_3

TOTAL Metals

Lot-Sample #....: E1H110128-070 Matrix.....: SOLID
Date Sampled....: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
Prep Batch #....:	1225347						
Arsenic	2.7	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHVC31AA
		Dilution Factor:	1	Analysis Time..:	18:13	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1225192	MDL.....:	0.40

000091

HALEY & ALDRICH INC

Client Sample ID: PD_102_1

TOTAL Metals

Lot-Sample #...: E1H110128-071

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #...: 1225347								
Arsenic	6.3	1.0	mg/kg		SW846 6010B	08/13-08/15/01	EHVC51AA	
		Dilution Factor:	1		Analysis Time...: 18:23	Analyst ID.....:	021088	
		Instrument ID...:	M01		MS Run #.....: 1225192	MDL.....:	0.40	

000092

BOE-C6-0002654

HALEY & ALDRICH INC

Client Sample ID: PD_102_3

TOTAL Metals

Lot-Sample #....: E1H110128-072 Matrix.....: SOLID
Date Sampled....: 08/10/01 14:00 Date Received...: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>Analyst ID.....</u>	
Prep Batch #....:	1225347						
Arsenic	3.1	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVC61AA	
		Dilution Factor:	1	Analysis Time...:	18:31	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1225192	MDL.....:	0.40

000093

HALEY & ALDRICH INC

Client Sample ID: PD_103_1

TOTAL Metals

Lot-Sample #....: E1H110128-073 Matrix.....: SOLID
Date Sampled....: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225347							
Arsenic	12.1	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVC71AA
		Dilution Factor:	1	Analysis Time...:	18:40	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....:	1225192	MDL.....:	0.40	

000094

HALEY & ALDRICH INC

Client Sample ID: PD_103_3

TOTAL Metals

Lot-Sample #....: E1H110128-074

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225347								
Arsenic	4.0	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVC81AA		
		Dilution Factor:	1	Analysis Time...: 18:50	Analyst ID.....:	021088		
		Instrument ID...:	M01	MS Run #.....: 1225192	MDL.....:	0.40		

000095

HALEY & ALDRICH INC

Client Sample ID: PD_104_1

TOTAL Metals

Lot-Sample #....: E1H110128-075 Matrix.....: SOLID
Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....:	1225347							
Arsenic	78.7	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVC91AA
		Dilution Factor:	1	Analysis Time..:	18:58	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....:	0.40	

000096

HALEY & ALDRICH INC

Client Sample ID: PD_104_3

TOTAL Metals

Lot-Sample #....: E1H110128-076 Matrix.....: SOLID
Date Sampled....: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225347							
Arsenic	2.9	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVDA1AA
		Dilution Factor:	1	Analysis Time..:	19:21	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....:	0.40	

000097

HALEY & ALDRICH INC

Client Sample ID: PD_105_1

TOTAL Metals

Lot-Sample #...: E1H110128-077

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS				
Prep Batch #...:	1225347						
Arsenic	4.1	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVDD1AA	
		Dilution Factor:	1	Analysis Time...:	19:30	Analyst ID.....:	021088
		Instrument ID...:	M01	MS Run #.....:	1225192	MDL.....:	0.40

000098

BOE-C6-0002660

HALEY & ALDRICH INC

Client Sample ID: PD_105_3

TOTAL Metals

Lot-Sample #....: E1H110128-078

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u> </u>	
Prep Batch #....:	1225347						
Arsenic	2.8	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVDE1AA	
		Dilution Factor:	1	Analysis Time...: 19:38	Analyst ID.....:	021088	
		Instrument ID...:	M01	MS Run #.....: 1225192	MDL.....:	0.40	

000099

BOE-C6-0002661

HALEY & ALDRICH INC

Client Sample ID: PD_106_1

TOTAL Metals

Lot-Sample #....: E1H110128-079

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received...: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....: 1225347								
Arsenic	81.3	1.0	mg/kg	SW846 6010B	08/13-08/15/01	EHVDF1AA		
		Dilution Factor: 1		Analysis Time...: 19:46	Analyst ID.....:	021088		
		Instrument ID...: M01		MS Run #.....: 1225192	MDL.....:	0.40		

000100

BOE-C6-0002662

HALEY & ALDRICH INC

Client Sample ID: PD_106_3

TOTAL Metals

Lot-Sample #....: E1H110128-080 Matrix.....: SOLID
Date Sampled....: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS					
Prep Batch #....:	1225347							
Arsenic	2.9	1.0	mg/kg	SW846 6010B			08/13-08/15/01	EHVDG1AA
		Dilution Factor:	1	Analysis Time..:	19:55	Analyst ID.....:	021088	
		Instrument ID..:	M01	MS Run #.....:	1225192	MDL.....:	0.40	

000101

QC DATA ASSOCIATION SUMMARY

E1H110128

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 6010B		1225341	1225188
002	SOLID	SW846 6010B		1225341	1225188
003	SOLID	SW846 6010B		1225341	1225188
004	SOLID	SW846 6010B		1225341	1225188
005	SOLID	SW846 6010B		1225341	1225188
006	SOLID	SW846 6010B		1225341	1225188
007	SOLID	SW846 6010B		1225341	1225188
008	SOLID	SW846 6010B		1225341	1225188
009	SOLID	SW846 6010B		1225341	1225188
010	SOLID	SW846 6010B		1225341	1225188
011	SOLID	SW846 6010B		1225341	1225188
012	SOLID	SW846 6010B		1225341	1225188
013	SOLID	SW846 6010B		1225341	1225188
014	SOLID	SW846 6010B		1225341	1225188
015	SOLID	SW846 6010B		1225341	1225188
016	SOLID	SW846 6010B		1225341	1225188
017	SOLID	SW846 6010B		1225341	1225188
018	SOLID	SW846 6010B		1225341	1225188
019	SOLID	SW846 6010B		1225341	1225188
020	SOLID	SW846 6010B		1225341	1225188
021	SOLID	SW846 6010B		1225343	1225190

(Continued on next page)

000102

QC DATA ASSOCIATION SUMMARY

E1H110128

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	SOLID	SW846 6010B		1225343	1225190
023	SOLID	SW846 6010B		1225343	1225190
024	SOLID	SW846 6010B		1225343	1225190
025	SOLID	SW846 6010B		1225343	1225190
026	SOLID	SW846 6010B		1225343	1225190
027	SOLID	SW846 6010B		1225343	1225190
028	SOLID	SW846 6010B		1225343	1225190
029	SOLID	SW846 6010B		1225343	1225190
030	SOLID	SW846 6010B		1225343	1225190
031	SOLID	SW846 6010B		1225343	1225190
032	SOLID	SW846 6010B		1225343	1225190
033	SOLID	SW846 6010B		1225343	1225190
034	SOLID	SW846 6010B		1225343	1225190
035	SOLID	SW846 6010B		1225343	1225190
036	SOLID	SW846 6010B		1225343	1225190
037	SOLID	SW846 6010B		1225343	1225190
038	SOLID	SW846 6010B		1225343	1225190
039	SOLID	SW846 6010B		1225343	1225190
040	SOLID	SW846 6010B		1225343	1225190
041	SOLID	SW846 6010B		1225345	1225191
042	SOLID	SW846 6010B		1225345	1225191

(Continued on next page)

000103

BOE-C6-0002665

QC DATA ASSOCIATION SUMMARY

E1H110128

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
043	SOLID	SW846 6010B		1225345	1225191
044	SOLID	SW846 6010B		1225345	1225191
045	SOLID	SW846 6010B		1225345	1225191
046	SOLID	SW846 6010B		1225345	1225191
047	SOLID	SW846 6010B		1225345	1225191
048	SOLID	SW846 6010B		1225345	1225191
049	SOLID	SW846 6010B		1225345	1225191
050	SOLID	SW846 6010B		1225345	1225191
051	SOLID	SW846 6010B		1225345	1225191
052	SOLID	SW846 6010B		1225345	1225191
053	SOLID	SW846 6010B		1225345	1225191
054	SOLID	SW846 6010B		1225345	1225191
055	SOLID	SW846 6010B		1225345	1225191
056	SOLID	SW846 6010B		1225345	1225191
057	SOLID	SW846 6010B		1225345	1225191
058	SOLID	SW846 6010B		1225345	1225191
059	SOLID	SW846 6010B		1225345	1225191
060	SOLID	SW846 6010B		1225345	1225191
061	SOLID	SW846 6010B		1225347	1225192
062	SOLID	SW846 6010B		1225347	1225192
063	SOLID	SW846 6010B		1225347	1225192

(Continued on next page)

000104

QC DATA ASSOCIATION SUMMARY

E1H110128

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
064	SOLID	SW846 6010B		1225347	1225192
065	SOLID	SW846 6010B		1225347	1225192
066	SOLID	SW846 6010B		1225347	1225192
067	SOLID	SW846 6010B		1225347	1225192
068	SOLID	SW846 6010B		1225347	1225192
069	SOLID	SW846 6010B		1225347	1225192
070	SOLID	SW846 6010B		1225347	1225192
071	SOLID	SW846 6010B		1225347	1225192
072	SOLID	SW846 6010B		1225347	1225192
073	SOLID	SW846 6010B		1225347	1225192
074	SOLID	SW846 6010B		1225347	1225192
075	SOLID	SW846 6010B		1225347	1225192
076	SOLID	SW846 6010B		1225347	1225192
077	SOLID	SW846 6010B		1225347	1225192
078	SOLID	SW846 6010B		1225347	1225192
079	SOLID	SW846 6010B		1225347	1225192
080	SOLID	SW846 6010B		1225347	1225192

000105

BOE-C6-0002667

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS				
MB Lot-Sample #: E1H130000-341 Prep Batch #....: 1225341							
Arsenic	ND	1.0	mg/kg	SW846 6010B		08/13-08/14/01	EHWJW1AA
Dilution Factor: 1							
Analysis Time...: 10:42 Analyst ID.....: 021088 Instrument ID...: M01							
MB Lot-Sample #: E1H130000-343 Prep Batch #....: 1225343							
Arsenic	ND	1.0	mg/kg	SW846 6010B		08/13-08/14/01	EHWJ51AA
Dilution Factor: 1							
Analysis Time...: 14:44 Analyst ID.....: 021088 Instrument ID...: M01							
MB Lot-Sample #: E1H130000-345 Prep Batch #....: 1225345							
Arsenic	ND	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHWKE1AA
Dilution Factor: 1							
Analysis Time...: 11:11 Analyst ID.....: 021088 Instrument ID...: M01							
MB Lot-Sample #: E1H130000-347 Prep Batch #....: 1225347							
Arsenic	ND	1.0	mg/kg	SW846 6010B		08/13-08/15/01	EHWKM1AA
Dilution Factor: 1							
Analysis Time...: 15:52 Analyst ID.....: 021088 Instrument ID...: M01							

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000106

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E1H130000-341 Prep Batch #....: 1225341						
Arsenic	200	176	mg/kg	88	SW846 6010B	08/13-08/14/01 EHWJW1AC
Dilution Factor: 1						
Analysis Time...: 10:48 Analyst ID.....: 021088 Instrument ID...: M01						
LCS Lot-Sample#: E1H130000-343 Prep Batch #....: 1225343						
Arsenic	200	185	mg/kg	93	SW846 6010B	08/13-08/14/01 EHWJ51AC
Dilution Factor: 1						
Analysis Time...: 14:50 Analyst ID.....: 021088 Instrument ID...: M01						
LCS Lot-Sample#: E1H130000-345 Prep Batch #....: 1225345						
Arsenic	200	175	mg/kg	88	SW846 6010B	08/13-08/15/01 EHWKE1AC
Dilution Factor: 1						
Analysis Time...: 11:17 Analyst ID.....: 021088 Instrument ID...: M01						
LCS Lot-Sample#: E1H130000-347 Prep Batch #....: 1225347						
Arsenic	200	179	mg/kg	90	SW846 6010B	08/13-08/15/01 EHWKM1AC
Dilution Factor: 1						
Analysis Time...: 16:01 Analyst ID.....: 021088 Instrument ID...: M01						

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000107

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	E1H130000-341	Prep Batch #....: 1225341			
Arsenic	88	(75 - 115)	SW846 6010B	08/13-08/14/01	EHWJW1AC
		Dilution Factor: 1			
		Analysis Time...: 10:48	Analyst ID.....: 021088	Instrument ID...: M01	
LCS Lot-Sample#:	E1H130000-343	Prep Batch #....: 1225343			
Arsenic	93	(75 - 115)	SW846 6010B	08/13-08/14/01	EHWJ51AC
		Dilution Factor: 1			
		Analysis Time...: 14:50	Analyst ID.....: 021088	Instrument ID...: M01	
LCS Lot-Sample#:	E1H130000-345	Prep Batch #....: 1225345			
Arsenic	88	(75 - 115)	SW846 6010B	08/13-08/15/01	EHWKE1AC
		Dilution Factor: 1			
		Analysis Time...: 11:17	Analyst ID.....: 021088	Instrument ID...: M01	
LCS Lot-Sample#:	E1H130000-347	Prep Batch #....: 1225347			
Arsenic	90	(75 - 115)	SW846 6010B	08/13-08/15/01	EHWKM1AC
		Dilution Factor: 1			
		Analysis Time...: 16:01	Analyst ID.....: 021088	Instrument ID...: M01	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000108

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	SAMPLE SPIKE MEASURED			PERCNT			PREPARATION-	WORK	ORDER #
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD			
MS Lot-Sample #:	E1H110128-001			Prep Batch #...: 1225341					
Arsenic	5.4	200	177	mg/kg	86		SW846 6010B	08/13-08/14/01	EHT871AC
	5.4	200	179	mg/kg	87	1.1	SW846 6010B	08/13-08/14/01	EHT871AD
	Dilution Factor: 1								
	Analysis Time...: 11:14			Instrument ID...: M01			Analyst ID.....: 021088		
	MS Run #.....: 1225188								

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000109

BOE-C6-0002671

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	SAMPLE SPIKE MEASURED			PERCNT			PREPARATION-	WORK	ORDER #
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD			
MS Lot-Sample #:	E1H110128-021			Prep Batch #....: 1225343					
Arsenic	6.6	200	180	mg/kg	87		SW846 6010B	08/13-08/14/01	EHT991AC
	6.6	200	180	mg/kg	87	0.37	SW846 6010B	08/13-08/14/01	EHT991AD
	Dilution Factor: 1								
	Analysis Time...: 15:41 Instrument ID...: M01 Analyst ID.....: 021088								
	MS Run #.....: 1225190								

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000110

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	SAMPLE SPIKE MEASURED			PERCNT			PREPARATION-	WORK	ORDER #
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD			
MS Lot-Sample #:	E1H110128-041			Prep Batch #....: 1225345					
Arsenic	4.0	200	182	mg/kg	89		SW846	6010B	08/13-08/15/01 EHVA01AC
	4.0	200	161	mg/kg	78	13	SW846	6010B	08/13-08/15/01 EHVA01AD
	Dilution Factor: 1								
	Analysis Time...: 11:55 Instrument ID...: M01 Analyst ID.....: 021088								
	MS Run #.....: 1225191								

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000111

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

PARAMETER	SAMPLE SPIKE MEASURED			PERCNT			PREPARATION-	WORK	ORDER #
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD			
MS Lot-Sample #:	E1H110128-061			Prep Batch #....: 1225347					
Arsenic	11.7	200	195	mg/kg	91		SW846 6010B	08/13-08/15/01	EHVCP1AC
	11.7	200	193	mg/kg	91	0.82	SW846 6010B	08/13-08/15/01	EHVCP1AD
				Dilution Factor:	1				
				Analysis Time...:	16:28		Instrument ID...: M01		Analyst ID.....: 021088
				MS Run #.....:	1225192				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000112

BOE-C6-0002674

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK	ORDER #
	RECOVERY	LIMITS	RPD		ANALYSIS DATE		
MS Lot-Sample #: E1H110128-001 Prep Batch #....: 1225341							
Arsenic	86	(75 - 115)		SW846 6010B	08/13-08/14/01	EHT871AC	
	87	(75 - 115)	1.1 (0-25)	SW846 6010B	08/13-08/14/01	EHT871AD	
		Dilution Factor:	1				
		Analysis Time..:	11:14	Instrument ID..: M01		Analyst ID.....:	021088
		MS Run #.....:	1225188				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000113

BOE-C6-0002675

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

PARAMETER	PERCENT RECOVERY RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E1H110128-021 Prep Batch #: 1225343							
Arsenic	87	(75 - 115)		SW846 6010B		08/13-08/14/01	EHT991AC
	87	(75 - 115)	0.37 (0-25)	SW846 6010B		08/13-08/14/01	EHT991AD
Dilution Factor: 1							
Analysis Time...: 15:41 Instrument ID...: M01 Analyst ID.....: 021088							
MS Run #.....: 1225190							

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000114

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/09/01 15:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
MS Lot-Sample #: E1H110128-041 Prep Batch #....: 1225345										
Arsenic	89	(75 - 115)			SW846 6010B		08/13-08/15/01	EHVA01AC		
	78	(75 - 115)	13	(0-25)	SW846 6010B		08/13-08/15/01	EHVA01AD		
Dilution Factor: 1										
Analysis Time...: 11:55 Instrument ID...: M01 Analyst ID.....: 021088										
MS Run #.....: 1225191										

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000115

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E1H110128

Matrix.....: SOLID

Date Sampled...: 08/10/01 14:00 Date Received..: 08/10/01 19:50

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
MS Lot-Sample #: E1H110128-061 Prep Batch #: 1225347							
Arsenic	91	(75 - 115)		SW846 6010B		08/13-08/15/01 EHVCP1AC	
	91	(75 - 115) 0.82 (0-25)		SW846 6010B		08/13-08/15/01 EHVCP1AD	
		Dilution Factor: 1					
		Analysis Time...: 16:28		Instrument ID...: M01		Analyst ID.....: 021088	
		MS Run #.....: 1225192					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000116

APPENDIX B
REFERENCES

REFERENCES

Los Angeles, Regional Water Quality Control Board, 1998, *No Further Action For Shallow Soil: Parcel A, Boeing Realty Corporation (BRC) C-6 Facility, Los Angeles (File No. 100.315)(SLIC No. 410)*, April 21, 1998.

APPENDIX C
LIMITATIONS

LIMITATIONS

This report was prepared by Haley & Aldrich, Inc., under the professional direction and review of the registered professionals listed on the cover page. The work described herein was conducted in accordance with generally accepted professional engineering, health risk assessment and geologic practice. No other warranty exists, either expressed or implied.

In addition to data collected by and observations made by Haley & Aldrich personnel, this report incorporates site conditions observed and described by others as reported in records available to Haley & Aldrich as of the date of report preparation. Haley & Aldrich relied—in part—on such data collected by others in the development of interpretations about environmental conditions at the Facility. The accuracy, precision, or representative nature of data originally generated by others could not be independently verified by Haley & Aldrich and would be beyond the scope of this project.

In addition, the passage of time may result in changes in site conditions, technology, or economic conditions which could alter the findings and/or recommendations of the report.